

# Panasonic®







Panasonic® video surveillance system solutions deliver superior performance and cost-efficiency for virtually any application. With the most comprehensive line of IP, analog and hybrid products available, resellers can configure the system that best meets specific needs without ever compromising quality or reliability. Panasonic's latest innovations include i-PRO Smart HD cameras and recorders that combine to deliver real-time face detection and face matching, and UniPhier large-scale integrated chips assure the highest levels of integration. They are advancements that will make any system smarter and more cost-efficient.

	HD 720p	HD 720p	HD 720p	HD 720p	HD720p	HD 1080p	
<b>Model</b>	VW-SW396	VW-SW395	VW-SC386	VW-SC385	VW-SC384	VW-SF549	
<b>Camera Type</b>	1.3 MP Outdoor PTZ (Continuous 360°)	1.3 MP Outdoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (Continuous 360°)	1.3 MP Indoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (360° w/ auto flip)	3.0 MP (JPEG)/2.0 MP (H.264) indoor vandal dome	
<b>Super Dynamic</b>	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x) <sup>*1</sup>	Mega Super Dynamic	
<b>Imaging Device</b>	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	Yes	Yes	Yes	Yes	No	Yes	
<b>Auto Back Focus</b>	Auto Focus	Auto Focus	Auto Focus	Auto Focus	Auto Focus	Yes (Lens ABF)	
<b>VIQS</b>	No	No	No	No	No	Yes (2 areas)	
<b>Minimum Illumination</b>	<b>Color</b>	0.5 lux	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.5 lux
	<b>B/W</b>	0.06 lux	0.06 lux	0.06 lux	0.06 lux	0.5 lux	0.06 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	15fps (2048 x 1536) 30fps (1920 x 1080)	
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	
<b>Audio Capability</b>	2-way	2-way	2-way	2-way	2-way	2-way	
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)	
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	3.3mm~119mm	4.7mm~84.6mm	3.3mm~119mm	4.7mm~84.6mm	4.7mm~84.6mm	3.6x vari-focal 2.8mm ~ 10.0mm	
<b>Zoom</b>	36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 8x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	24VAC PoE+ (IEEE802.3at)	24VAC PoE+ (IEEE802.3at)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	2/1	2/1	2/1	2/1	2/1	2/1	
<b>Max Power Consumption</b>	24W (PoE+) 43W (AC)	24W (PoE+) 43W (AC)	12W (PoE) 1000mA (DC)	12W (PoE) 1000mA (DC)	10W (PoE) 690mA (DC)	6.0W (PoE) 570mA (DC)	
<b>Operating Temperature</b>	-58°F~131°F (24VAC) -22°F~131°F (PoE+)	-40°F~122°F (24VAC) -30°F~122°F (PoE+)	14°F~122°F	14°F~122°F	14°F~122°F	14°F ~ 122°F	
<b>Mobile Phone Support<sup>*2</sup></b>	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG	
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Drag and Zoom Image Stabilizer Face Detection Face WDR	Face Detection Face Mega SD IK10	

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

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	HD 1080p	HD 1080p	HD 1080p	HD 720p	HD 720p	HD 720p
						
<b>Model</b>	WV-SF548	WV-SF539	WV-SF538	WV-SF336	WV-SF335	WV-SF332
<b>Camera Type</b>	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor dome	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor dome	1.3 MP Indoor dome	1.3 MP Indoor dome	800x600 Indoor dome
<b>Super Dynamic</b>	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x)*1	WDR (8x)*1	WDR (8x)*1
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Removable IR (D&amp;N)</b>	No	Yes	No	No	No	No
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)
<b>VIQS</b>	Yes (2 areas)	Yes (2 areas)	Yes (2 areas)	Yes	Yes	Yes
<b>Minimum Illumination</b>	<b>Color</b>	0.5 lux	0.5 lux	0.3 lux	0.3 lux	0.2 lux
	<b>B/W</b>	0.3 lux	0.06 lux	0.3 lux	0.2 lux	0.13 lux
<b>fps JPEG</b>	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
<b>fps MPEG-4</b>	-	-	-	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
<b>fps H.264</b>	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
<b>Audio Capability</b>	No	2-way	No	2-way	2-way	2-way
<b>SD Memory Card Slot</b>	No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
<b>Lens Type</b>	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
<b>Zoom</b>	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
<b>Power</b>	12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
<b>Alarm In-/Outputs</b>	1/1	2/1	1/1	1/1	1/1	1/1
<b>Max Power Consumption</b>	5.8W (PoE) 550mA (DC)	6.0W (PoE) 570mA (DC)	5.8W (PoE) 550mA (DC)	4.2W (PoE) 320mA (DC)	3.5W (PoE) 280mA (DC)	3.5W (PoE) 280mA (DC)
<b>Operating Temperature</b>	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F
<b>Mobile Phone Support*2</b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication
<b>Other Key Features</b>	Face Detection Face Mega SD IK10	Face Detection Face Mega SD	Face Detection Face Mega SD	Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

	HD 720p		HD 1080p	HD 1080p	HD 1080p	HD 720p	
<b>Model</b>	WV-SF135	WV-SF132	WV-SW559	WV-SW558	WV-NW502S*5	WV-SW355	
<b>Camera Type</b>	1.3 MP Indoor dome	VGA Indoor dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	1.3 MP Outdoor vandal dome	
<b>Super Dynamic</b>	No	No	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" CCD Progressive Scan	1/3" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	No	No	Yes	No	Yes	Yes	
<b>Auto Back Focus</b>	No	No	Yes (Lens ABF)	Yes (Lens ABF)	Yes	Yes (Lens ABF)	
<b>VIQS</b>	Yes	Yes	Yes (2 areas)	Yes (2 areas)	Yes	Yes	
<b>Minimum Illumination</b>	<b>Color</b>	0.8 lux	2.0 lux	0.5 lux	0.5 lux	3MP: 2.0 lux 1.3MP: 1.0 lux	0.3 lux
	<b>B/W</b>	0.6 lux	1.3 lux	0.06 lux	0.3 lux	3MP: 0.16 lux 1.3MP: 0.08 lux	0.05 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (640 x 480)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	5fps (2048 x 1536) 30fps (1280 x 960)	30fps (1280 x 960)	
<b>fps MPEG-4</b>	-	-	-	-	30fps (640 x 480)	30fps (640 x 480)	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (640 x 480)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	15fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)	
<b>Audio Capability</b>	No	No	2-way	No	2-way	2-way	
<b>SD Memory Card Slot</b>	No	No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	
<b>SD Card Recording</b>	No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	Fixed focal length 1.95mm	Fixed focal length 1.95mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	2.8x vari-focal 2.8mm~8.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	
<b>Zoom</b>	2x (VGA) Ex zoom	-	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	2.8x optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	No	No	2/1	1/1	2/1	1/1	
<b>Max Power Consumption</b>	2.6W (PoE)	2.2W (PoE)	8.6W (PoE) 850mA (DC)	8.4W (PoE) 830mA (DC)	7.6W (PoE) 630mA (DC)	11.5W (PoE) 1.1 A (DC)	
<b>Operating Temperature</b>	32°F ~ 104°F	32°F ~ 104°F	-40°F ~ 122°F	-40°F ~ 122°F	-22°F~122°F	-22°F ~ 122°F	
<b>Mobile Phone Support<sup>2</sup></b>	JPEG	JPEG	JPEG	JPEG	No	JPEG	
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Face Detection ABS*4	Face Detection ABS*4	Face Detection Face Mega SD Dehumidification Device 2 area VIQS IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device Heater PoE*3 IP66	

\*1: WDR (Wide Dynamic Range)







\*2: See the supported mobile phones on the Panasonic web site

\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

\*5: Other models available - WV-NW502S/09 with 9-22mm lens, WV-NW502S/15 with 15-50mm lens, WV-NW502S/22 with 2.2mm lens

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	HD 720p			HD 720p	HD 720p	HD 720p
						
<b>Model</b>	WV-SW352	WV-SF346	WV-SF342	WV-SW316L	WV-SW316	WV-SW314
<b>Camera Type</b>	800x600 Outdoor vandal dome	1.3 MP Indoor vandal dome	800x600 Indoor vandal dome	1.3 MP Outdoor Box	1.3 MP Outdoor Box	1.3 MP Outdoor Box
<b>Super Dynamic</b>	Super Dynamic	WDR (8x)*1	WDR (8x)*1	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Removable IR (D&amp;N)</b>	Yes	No	No	Yes	Yes	No
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Lens ABF)	Yes (Lens ABF)	No
<b>VIQS</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Minimum Illumination</b>	<b>Color</b>	0.2 lux	0.3 lux	0.2 lux	0.3 lux	0.3 lux
	<b>B/W</b>	0.04 lux	0.2 lux	0.13 lux	0.0 lux	0.05 lux
<b>fps JPEG</b>	30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
<b>fps H.264</b>	30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
<b>Audio Capability</b>	2-way	2-way	2-way	2-way	2-way	No
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No
<b>Lens Type</b>	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
<b>Zoom</b>	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)
<b>Alarm In-/Outputs</b>	1/1	1/1	1/1	1/1	1/1	No
<b>Max Power Consumption</b>	11.5W (PoE) 1.1 A (DC)	4.2W (PoE) 320mA (DC)	4.2W (PoE) 320mA (DC)	9.6W (PoE) 850mA (DC)	9.6W (PoE) 850mA (DC)	3.4W (PoE)
<b>Operating Temperature</b>	-22°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	-40°F ~ 122°F	-40°F ~ 122°F	14°F ~ 122°F
<b>Mobile Phone Support*2</b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
<b>Other Key Features</b>	Face Detection Dehumidification Device Heater PoE*3 IP66 Face Super Dynamic	Face Detection Face WDR IK10	Face Detection Face WDR IK10	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Super Dynamic IP66

\*1: WDR (Wide Dynamic Range)



\*2: See the supported mobile phones on the Panasonic web site

\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

	HD 720p		HD 720p	HD 720p	HD 720p	HD 1080p		HD 1080p
<b>Model</b>	VW-SW175	VW-SW172	VW-SW174W	VW-SW155	VW-SW152	VW-SP509*5	VW-SP508*5	
<b>Camera Type</b>	1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor Pan-Tilt (800 x 600)	1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor vandal dome	800 x 600 Outdoor vandal dome	3.0MP (JPEG)/ 2.0MP (H.264) Box	3.0MP (JPEG)/ 2.0MP (H.264) Box	
<b>Super Dynamic</b>	No	No	No	Mega Super Dynamic	Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	
<b>Imaging Device</b>	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	No	No	No	No	No	Yes	No	
<b>Auto Back Focus</b>	No	No	No	No	No	Yes (Lens ABF)	Yes (Lens ABF)	
<b>VIQS</b>	No	No	No	Yes	Yes	Yes (2 areas)	Yes (2 areas)	
<b>Minimum Illumination</b>	<b>Color</b>	0.6 lux	0.6 lux	0.6 lux	0.8 lux	0.6 lux	0.5 lux	0.5 lux
	<b>B/W</b>	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.4 lux	0.06 lux	0.06 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	15fps (2048 x 1536)	15fps (2048 x 1536)	
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	-	-	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1920 x 1080)	30fps (1920 x 1080)	
<b>Audio Capability</b>	2-way	2-way	2-way	No	No	2-way	No	
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)	No	
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Optional	Optional	
<b>Zoom</b>	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	4x electric	4x electric	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	2/1	2/1	2/1	No	No	2/1	1/1	
<b>Max Power Consumption</b>	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	2.7W (PoE)	2.7W (PoE)	6.0W (PoE) 570 mA (DC)	5.8W (PoE) 550 mA (DC)	
<b>Operating Temperature</b>	-4°F ~ 122°F	-4°F ~ 122°F	-4°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	
<b>Mobile Phone Support<sup>*2</sup></b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD	Face Detection Face Mega SD	

\*5: Does not include lens.

	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	
								
<b>Model</b>	WV-SP306*5	WV-SP305*5	WV-SP302*5	WV-SP105	WV-SP102	WV-ST165	WV-ST162	
<b>Camera Type</b>	1.3MP Box	1.3MP Box	800 x 600 Box	1.3 MP Box	1.3 MP Box (VGA)	1.3 MP Indoor Pan-Tilt	1.3 MP Indoor Pan-Tilt (800 x 600)	
<b>Super Dynamic</b>	WDR (8x)*1	WDR (8x)*1	WDR (8x)*1	No	No	No	No	
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	Yes	No	No	No	No	No	No	
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)	No	No	No	No	
<b>VIQS</b>	Yes	Yes	Yes	Yes	Yes	No	No	
<b>Minimum Illumination</b>	<b>Color</b>	0.3 lux	0.3 lux	0.2 lux	0.8 lux	2.0 lux	0.6 lux	0.6 lux
	<b>B/W</b>	0.05 lux	0.2 lux	0.13 lux	0.4 lux	1.3 lux	0.5 lux	0.5 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)	
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	30fps (640 x 480)	30fps (640 x 480)	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)	
<b>Audio Capability</b>	2-way	2-way	2-way	No	No	2-way	2-way	
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No	No	Yes (SDHC)	Yes (SDHC)	
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	Optional	Optional	Optional	Fixed focal length: 3.54mm	Fixed focal length: 2.00mm	Fixed focal length: 1.95mm	Fixed focal length: 1.95mm	
<b>Zoom</b>	4x electric	4x electric	4x electric	2x (VGA) Ex optical	No	2x (VGA) Ex zoom	2x (VGA) Ex zoom	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	1/1	1/1	1/1	No	No	2/1	2/1	
<b>Max Power Consumption</b>	4.4W (PoE) 350 mA (DC)	3.4W (PoE) 270 mA (DC)	3.4 (PoE) 270 mA (DC)	2.8W (PoE) 200 mA (DC)	2.0W (PoE) 140 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	
<b>Operating Temperature</b>	14°F~122°F	14°F~122°F	14°F~122°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F	
<b>Mobile Phone Support*2</b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	
<b>Security</b>	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR	ABS*4	ABS*4	Face Detection Face WDR	Face Detection Face WDR	

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

\*4: ABS (Adaptive Black Stretch)

\*5: Does not include lens.

# PTZ AND FIXED DOME CAMERAS



						
<b>Model</b>	WV-CW974	WV-CW594	WV-CS584	WV-CW504S/F	WV-CW364S	WV-CW334S
<b>Camera Type</b>	Outdoor PTZ	Outdoor PTZ	Indoor PTZ	Outdoor Vandal	Outdoor Vandal	Outdoor Vandal
<b>Wide Dynamic</b>	SDIII	SD6	SD6	SD5	No	No
<b>Imaging Device</b>	1/4 inch	1/4 inch	1/4 inch	1/3 inch	1/3 inch	1/3 inch
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>IR Sensitivity</b>	Yes	Yes	Yes	Yes	Yes	No
<b>Focus</b>	Auto Focus	Auto Focus	Auto Focus	Auto Back Focus	N/A	N/A
<b>Min. Illumination (Color)</b>	0.5 lux	0.5 lux	0.5 lux	0.1 lux	0.6 lux	0.6 lux
<b>Min. Illumination (Color with Sens Up)</b>	0.02 lux (32x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.003 lux (32x sens up)	N/A	N/A
<b>Min. Illumination (B/W)</b>	0.04 lux	0.04 lux	0.04 lux	0.01 lux	0.05 lux	0.4 lux
<b>Min. Illumination (B/W with Sens Up)</b>	0.0013 lux (32x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0003 lux (32x sens up)	N/A	N/A
<b>Horiz. Resolution</b>	540 TV lines	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines
<b>Focal Length</b>	3.8mm-114mm	3.3mm-119mm	3.3mm-119mm	3.8mm-8.0mm vari-focal	2.8mm-10.0mm vari-focal	2.8mm-10.0mm vari-focal
<b>Zoom</b>	30x optical/10x digital	36x optical/20x digital	36x optical/20x digital	2.1x optical/2x digital	3.6x optical	3.6x optical
<b>Lens Mount</b>	Proprietary	Proprietary	Proprietary	CS-mount	Proprietary	Proprietary
<b>Motion Detection</b>	Yes	Yes	Yes	i-VMD (Intelligent VMD)	No	No
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	No	No
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	No	No
<b>Light Control</b>	ALC	ALC	ALC	ALC/ALC+	ALC	ALC
<b>IP66</b>	Yes	Yes	No	Yes	Yes	Yes
<b>Impact Protection Standard</b>	N/A	N/A	N/A	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J
<b>Power</b>	24VAC	24VAC	24VAC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
<b>Power Consumption</b>	Camera: 17W Heater: 62W	98W	4.3W	AC 3.4W (w/o Heater) AC 14W (w/ Heater) DC 280mA (w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA (w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA (w/o Heater)
<b>Operating Temperature</b>	-40° F - 122° F	-58° F-122° F	14° F - 122° F	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)
<b>Key Features</b>	Advanced auto tracking with Pan/Tilt/Zoom Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Intelligent VMD (object left behind/removal, loitering, direction) Dehumidification device	Adaptive Black Stretch	Adaptive Black Stretch









						
<b>Model</b>	WV-CF504	WV-CF354	WV-CF344	WV-CW384	WV-CL934*5	WV-CL930*5
<b>Camera Type</b>	Indoor Minidome	Indoor Minidome	Indoor Minidome	Outdoor Fixed Box	Fixed Box	Fixed Box
<b>Wide Dynamic</b>	SD5	No	No	SDIII	No	No
<b>Imaging Device</b>	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/2 inch	1/2 inch
<b>Day/Night</b>	Yes	Yes (Electrical)	Yes (Electrical)	Yes	Yes	Yes
<b>IR Sensitivity</b>	Yes	No	No	Yes	Yes	Yes
<b>Focus</b>	Auto Back Focus	Auto Focus	N/A	Auto Back Focus	Auto Back Focus	Auto Back Focus
<b>Min. Illumination (Color)</b>	0.1 lux	0.08 lux	0.08 lux	0.65 lux	0.09 lux @f1.4	0.09 lux @f1.4
<b>Min. Illumination (Color with Sens Up)</b>	0.003 lux (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.065 lux (10x sens up)	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)
<b>Min. Illumination (B/W)</b>	0.01 lux	0.05 lux	0.05 lux	0.09 lux	0.008 lux @f1.4	0.008 lux @f1.4
<b>Min. Illumination (B/W with Sens Up)</b>	0.0003 lux (32x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.009 lux (10x sens up)	0.0003 lux @F1.4 (32x sens up)	0.0003 lux @F1.4 (32x sens up)
<b>Horiz. Resolution</b>	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	540 TV lines
<b>Focal Length</b>	3.8mm-8.0mm vari-focal	2.8mm - 10mm vari-focal	2.8mm - 10mm vari-focal	5mm - 40mm vari-focal	Optional	Optional
<b>Zoom</b>	2.1x optical / 2x digital	3.6x optical / 2x digital	3.6x optical / 2x digital	2x digital	N/A	N/A
<b>Lens Mount</b>	CS-mount	Proprietary	Proprietary	CS-mount	CS-mount	CS-mount
<b>Motion Detection</b>	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes	Yes
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Light Control</b>	ALC/ALC+	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC	ALC/ALC+/ELC	ALC/ALC+/ELC
<b>IP66</b>	No	No	No	Yes	No	No
<b>Impact Protection Standard</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power</b>	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
<b>Power Consumption</b>	AC 3.4W DC 280mA	AC 2.1W DC 180mA	AC 2.1W DC 180mA	AC 18W DC 540mA	AC 4.0W DC 350mA	AC 4.6W DC 350mA
<b>Operating Temperature</b>	14° F - 122° F	14° F - 122° F	14° F - 122° F	-22° F - 122° F	14° F - 122° F	14° F - 122° F
<b>Key Features</b>	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Built-in fan, heater and shield	Ultra high sensitivity Adaptive digital noise reduction	Ultra high sensitivity Adaptive digital noise reduction





\*5: Does not include lens.

# FIXED BOX CAMERA LINEUP



						
<b>Model</b>	WV-CP504*5	WV-CP500*5	WV-CP314	WV-CP310*5	WV-CP304*5	WV-CP300*5
<b>Camera Type</b>	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box
<b>Wide Dynamic</b>	SD5	SD5	No	No	No	No
<b>Imaging Device</b>	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes (Electrical)	Yes (Electrical)
<b>IR Sensitivity</b>	Yes	Yes	Yes	Yes	No	No
<b>Focus</b>	Auto Back Focus	Auto Back Focus	N/A	N/A	N/A	N/A
<b>Min. Illumination (Color)</b>	0.1 lux @f1.4	0.1 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4
<b>Min. Illumination (Color with Sens Up)</b>	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)
<b>Min. Illumination (B/W)</b>	0.01 lux @f1.4	0.01 lux @f1.4	0.008 lux @f1.4	0.008 lux @f1.4	0.05 lux @f1.4	0.05 lux @f1.4
<b>Min. Illumination (B/W with Sens Up)</b>	0.0003 lux @f1.4 (32x sens up)	0.0003 lux @f1.4 (32x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)
<b>Horiz. Resolution</b>	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines
<b>Focal Length</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>Zoom</b>	2x digital	2x digital	2x digital	2x digital	2x digital	2x digital
<b>Lens Mount</b>	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount
<b>Motion Detection</b>	i-VMD (Intelligent VMD)	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Light Control</b>	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC
<b>IP66</b>	No	No	No	No	No	No
<b>Impact Protection Standard</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power</b>	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC
<b>Power Consumption</b>	AC 3.6W DC 310mA	AC 3.2W DC 310mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA
<b>Operating Temperature</b>	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F
<b>Key Features</b>	Intelligent VMD (object left behind/removal, loitering, direction)	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation

\*5: Does not include lens.

				
<b>Model</b>	WJ-ND400	WJ-ND300A	WJ-NV200	WJ-NV200V
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
<b>Max. HDD</b>	9 drives (internal) 54 drives (w/ external)	4 drives (internal) 28 drives (w/ external)	2 drives (internal)	1 drive (internal)
<b>Max. Storage</b>	27TB (internal, 3TB HDD) 162TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 84TB (w/ external, 3TB HDD)	6TB (internal, 3TB HDD)	3TB (internal, 3TB HDD)
<b>Max. IP Camera</b>	64 at H.264 2Mbps	32 at H.264 2Mbps	16 at H.264 4Mbps	16 at H.264 4Mbps
<b>Supported Video Resolution</b>	3MP (2048 x 1536), 1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)
<b>Max. Recording Rate (Total)</b>	Approx. 1,920fps (30 fps at 64 cameras)	Approx. 960fps (30 fps at 32 cameras)	Approx. 480fps (30 fps at 16 cameras)	Approx. 480fps (30 fps at 16 cameras)
<b>RAID Support</b>	RAID5/6	RAID5 Optional (WJ-NDB301)	No	No
<b>Max. Network Bandwidth</b>	128Mbps (Camera recording) 72Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)
<b>Network I/F</b>	2x 100/1000Base-T, 1x 10 Base-T	2x 10/100Base-T, 1x 10 Base-T	1x 100/1000Base-T	1x 100/1000Base-T
<b>Supported Camera Brands</b>	Panasonic (i-PRO & BB)*1 AXIS (JPEG, MPEG4)*2	Panasonic (i-PRO & BB)*1 AXIS (JPEG)*2	Panasonic (i-PRO & BB)*1 AXIS, SONY*3	Panasonic (i-PRO & BB)*1 AXIS, SONY*3
<b>Alarm/Control Ports</b>	32 terminal alarm inputs/ outputs, Control/AUX	16 terminal alarm inputs/ outputs, Control/AUX	9 terminal alarm inputs/ outputs	9 terminal alarm inputs/ outputs
<b>RTP over HTTP (From IP Cameras)</b>	No	No	No	No
<b>RTP over HTTP (For Client Monitoring)</b>	Yes	No	Yes	Yes
<b>Functions</b>	Metadata smart search	-	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation
<b>Power Consumption</b>	120 VAC, 60Hz/Approx. 170W	120 VAC, 60Hz/Approx. 85W	120 VAC, 60Hz/Approx. 45W	120 VAC, 60Hz/Approx. 45W
<b>Rack Mountable</b>	Yes (3U)	Yes (2U)	Optional (1U)	Optional (1U)
<b>Remote Monitoring</b>	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)


\*1 Regarding BB cameras, only specific models and video formats are supported. Contact Panasonic for BB cameras.


\*2 Only specific AXIS cameras and encoders are supported. Contact Panasonic for AXIS cameras.



\*3 Connected on Onvif protocol.



<b>Model</b>	WJ-HD716	WJ-HD616
<b>Video Inputs</b>	16	16
<b>Video Loop Through</b>	Yes (16)	Yes (16)
<b>Audio Inputs</b>	4	4
<b>Monitor Out</b>	2x HDMI, 2x Composite (BNC) (All: Multiscreen)	2x HDMI, 2x Composite (BNC) (All: Multiscreen)
<b>Audio Outputs</b>	2	2
<b>Recording Video Compression</b>	H.264	H.264
<b>Max. HDD</b>	4 drives (internal) 31 drives (w/ external)	4 drives (internal) 31 drives (w/ external)
<b>Max. Storage</b>	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)
<b>Recording Resolution</b>	Frame (720 x 480) Field (720 x 240)	Frame (720 x 480) Field (720 x 240)
<b>Max. Recording Rate (Total)</b>	480ips at Field (720 x 240) 240ips at Frame (720 x 480)	240ips at Field (720 x 240) 120ips at Frame (720 x 480)
<b>RAID Support</b>	RAID5/6 Optional (WJ-HDB601)	RAID5/6 Optional (WJ-HDB601)
<b>Network I/F</b>	2x 10/100 Base-TX	2x 10/100 Base-TX
<b>HDMI Cascade</b>	Up to 5 main units	Up to 5 main units
<b>Coax PTZ Control</b>	16 (for Panasonic camera)	8 (for Panasonic camera)
<b>RS485 Camera Interface</b>	2x RS485, 2/4 wire, half duplex (for 1-16 CH)	2x RS485, 2/4 wire, half duplex (for 1-16 CH)
<b>Alarm/Control Ports</b>	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input
<b>Copy Ports</b>	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)
<b>RTP over HTTP (for Internet monitoring)</b>	Yes	Yes
<b>Functions</b>	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link
<b>Power</b>	120 VAC, 60Hz	120 VAC, 60Hz
<b>Power Consumption</b>	Approx. 130W	Approx. 130W
<b>Rack Mountable</b>	Yes (3U)	Yes (3U)
<b>Remote Monitoring</b>	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)

Video Encoder	
	
<b>Model</b>	WJ-GXE500
<b>Product Type</b>	4CH Video Encoder
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG
<b>Video Inputs/Outputs</b>	4 (Input)
<b>Audio Inputs/Outputs</b>	1 (Input)
<b>Supported Video Resolution</b>	D1 (720 x 480), VGA (640 x 480), QVGA (320 x 240)
<b>Max. fps</b>	30fps/ch at H.264 in all resolutions
<b>Coax PTZ Control</b>	4 (for Panasonic camera)
<b>RS485 Camera Interface</b>	1x RS485, 2/4 wire. Half duplex (for 1-4 CH).
<b>Network I/F</b>	1x 10/100 Base-TX
<b>SD Memory Card Slot</b>	Yes (SDHC)
<b>SD Card Recording</b>	1fps (JPEG)
<b>Functions</b>	Face Detection (CH1 only), Dual Stream, RTP over HTTP
<b>Power/Power Consumption</b>	PoE, 12VAC/6W
<b>Rack Mountable</b>	Optional (3 units for 1U) (WV-Q204/2S)

Video Decoder	
	
<b>Model</b>	WJ-GXD400
<b>Product Type</b>	6CH HD1080i Video Decoder
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG
<b>Video Inputs/Outputs</b>	HDMI x1 (Output) NTSC Composite (BNC) x1 (Output)
<b>Audio Inputs/Outputs</b>	HDMI x1 (Output) RCA x1 (Output)
<b>Supported Video Resolution</b>	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)
<b>Display Pattern</b>	Single (1x 1280 x 960), 3 split-screen (1x 1280 x 960, 2x VGA), 6 split-screen (6x VGA)
<b>Max. fps</b>	30fps/ch at H.264 in VGA
<b>Network I/F</b>	1x 100/1000 Base-T
<b>Functions</b>	HD1080i HDMI Output
<b>Power/Power Consumption</b>	12VDC/12VDC, 1.4A
<b>Rack Mountable</b>	Optional (2 units for 1U) (WV-Q204/1S, WV-Q204/2S)

Center Adaptor		Camera Adaptor	
			
<b>Model</b>	BY-HPE11KTA (including 1x center adaptor and 1x camera adaptor)		
<b>Product Type</b>	Coaxial-LAN Converter with PoE Function		
	Center Adaptor		Camera Adaptor
<b>Transmission Speed (UDP) *1</b>	45Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])		
<b>Transmission Speed (TCP) *1</b>	35Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])		
<b>Max. Transmission Distance</b>	Without PoE function: Max. 6,561 ft. [2km] (w/ RG-6/U) / Max. 3,937 ft. [1.2km] (w/ RG-59/U) With PoE Function: Max. 1,640 ft. [500m] (w/ RG-6/U) / Max. 656 ft. [200m] (w/ RG-59/U)		
<b>Coaxial I/F</b>	1x BNC		1x BNC
<b>Network I/F</b>	1x 10/100 Base-TX		1x 10/100 Base-TX, PoE *2
<b>Functions</b>	PoE capability for IP cameras Plug & Play (No Setup Required)		
<b>Operating Temperature</b>	32°F to 122°F (Center adaptor)		14°F to 122°F (Camera adaptor)
<b>Power</b>	100-240VAC		Power supplied through the coax cable from the center adaptor
<b>Power Consumption</b>	Max. 28W (including the power consumption of the camera adaptor)		Max. 15.4W (PoE capability)
<b>Rack Mountable</b>	Optional (4 center adaptors for 1U) (BY-HCA10A)		-

\*1 This value is for transmission between the center adaptor and the camera adaptor. \*2 PoE function is available for Panasonic IP cameras only.

Functions		WV-ASM200 + WV-ASE201 with Extension Software	WV-ASM200 Management Software
<b>Main Functions/Description</b>		Live / Playback / Control	Live / Playback / Control
<b>Supported Video Formats</b>		H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
<b>Supported Video Aspect Ratio</b>		4:3 / 16:9	4:3 / 16:9
<b>Supported Devices</b>	<b>Camera</b>	<b>Direct</b>	i-PRO series <sup>1</sup>
		<b>Via Recorder</b>	i-PRO series <sup>1</sup> , BB series <sup>2</sup> , Axis <sup>2</sup>
	<b>Recorder</b>	<b>NVR</b>	WJ-ND400, WJ-ND300/300A, WJ-ND200, WJ-NV200
		<b>DVR</b>	WJ-HD716/616, WJ-HD309A/316A, WJ-RT416 series
	<b>Encoder</b>	WJ-GXE500, WJ-NT304, WJ-NT314	WJ-GXE500, WJ-NT304, WJ-NT314
<b>Controller</b>	WV-CU950	No	
<b>Max. Devices</b>	<b>Camera</b>	<b>Direct</b>	256
		<b>Via Recorder</b>	6,400 (with WJ-ND400 series) 3,200 (with WJ-ND300 series)
		<b>Via Encoder</b>	256
	<b>Recorder</b>	100	100
	<b>Encoder</b>	64	64
	<b>Controller</b>	1	No
<b>Camera Control</b>		Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)	Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)
<b>Recorder Control</b>		Yes (Playback, REC etc.)	Yes (Playback, REC etc.)
<b>Multi-Screen Pattern</b>		1 / 4 / 9 / 16	1 / 4 / 9 / 16
<b>Display Performance</b>		30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps	30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps
<b>AVMD Display (Frame and Tracking Line)</b>		Yes	Yes
<b>Multiple Monitors Supported</b>		Yes (Up to 3 monitors: Operation / Live / Map)	No
<b>Map Function</b>		Yes	No
<b>Audio<sup>3</sup></b>		Yes (Live: 2-way, Playback: 1-way)	Yes (Live: 2-way, Playback: 1-way)
<b>Supported Alarm</b>		Panasonic Alarm Protocol	Panasonic Alarm Protocol
<b>Event Search (T&amp;D, Event type etc.)</b>		Yes	Yes
<b>VMD Search</b>		Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)	Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)
<b>Image Download</b>		Yes	Yes
<b>RTP over HTTP (from Recorders)</b>		Yes	Yes
<b>RTP over HTTP (from IP Cameras)<sup>3</sup></b>		No	No
<b>Camera SDHC/SD Card Recording Support</b>		No	No

<sup>1</sup> Except model WV-NM100.

<sup>2</sup> Specific models only. Camera control is not supported. Supported video format is limited.

<sup>3</sup> Only Panasonic i-PRO series are supported.

## BB-HNP17A

### Camera Management Recording Software

- Images can be recorded for up to 64 cameras • Customizable settings and browser screens
- Record and play H.264, MPEG-4 and JPEG images • Remote access by browser
- Easy to use graphical user interface (GUI), simplified icons • Alarm trigger recording (JPEG only)
- Scheduled preset position recording • E-mail alert when alarm is detected
- Search images quickly via keyword or date/time



Lens Models		Camera Models			WV-NW502S	WV-NP502/SP509/ SP508	WV-SP306/305	WV-SP302
Size	Model	Focal length (mm)	Aperture Ratio	Auto Iris				
1/3"	PLAMP2206	2.2	f1.3	Y	.	.	.	.
1/3"	PLAMP2406	2.4~6.0	f1.2	Y	.	.	.	.
1/3"	PLAMP2812	2.8~12.0	f1.4	Y	.	.	.	.
1/3"	PLAMP0550	5.0~50.0	f1.4	Y	.	.	.	.
1/3"	WV-LZA62/2	2.8~6.0	f1.4 (W); f1.2 (T)	Y	.	.	.	.

Lens Models		Camera Models			WV-CW504 series	WV-CL930 series	WV-CP500 series	WV-CP300 series
Size	Model	Focal length (mm)	Aperture Ratio	Auto Iris				
1/3"	PLA22T3DN	2.2	f1.2	Y	.	.	.	.
1/2"	PLAHS1770	7.0~70.0	f1.8	N	.	.	.	.
1/3"	PLZ15/33	15.0~50.0	f1.5	Y	.	.	.	.
1/3"	PLZ20/5	20.0~100.0	f1.6	Y	.	.	.	.
1/3"	PLZ27/5DN	2.7~13.5	f1.3	Y	.	.	.	.
1/3"	PLZ29/27	2.9~8.0	f0.95	Y	.	.	.	.
1/3"	PLZ5/10	5.0~50.0	f1.6	Y	.	.	.	.
1/3"	PTVR0916DC	9.0~22.0	f1.6	Y	.	.	.	.
1/3"	WV-LZ62/8S	5.0~40.0	f1.6 (W); f1.9 (T)	Y	.	.	.	.
1/3"	WV-LZA61/2S	3.8~8.0	f1.4 (W); f1.8 (T)	Y	.	.	.	.

# HOUSING AND CAMERA REFERENCE CHART




















Housing Model	Housing Features										Camera Models															
	Indoor	Outdoor	Vandal	Pendant Mount	Wall Mount	Smoke Dome	Clear Dome	Recessed Ceiling	Heater/Blower	WW-SW559/ 558/355/352	WW-SP509/508	WW-SP306/305/302	WW-SP105/102	WW-SF549/548/ 346/342	WW-SF336/335/332	WW-SC386	WW-SC385/384	WW-NW502S	WW-CW504S/F	WW-CW364S/334S	WW-CS584	WW-CP500 Series	WW-CP300 Series	WW-CF504	WW-CF300 Series	
PCM484S		•								•															•	•
PDM9	•					•		•								•					•				•	•
PHM484S		•								•										•					•	•
PID5CN	•						•	•						•	•										•	•
PID5SN	•						•	•						•	•										•	•
PID9	•					•		•								•					•				•	•
PIDV7CN	•															•					•				•	•
PIDV7SN	•															•					•				•	•
PISM5V	•			•	•										•										•	•
POD7CN		•		•	•				•							•	•								•	•
POD7CWN		•		•	•				•							•	•								•	•
POD8CF		•		•	•				•				•	•								•	•			•
POD8CWF		•		•	•				•				•	•									•	•		•
POD9CA (SILVER)		•		•	•				•							•					•				•	•
POD9CTA (WHITE)		•		•	•				•							•									•	•
POD9CWA (SILVER)		•		•	•				•							•						•			•	•
POD9CWTA (WHITE)		•		•	•				•							•						•			•	•
PODV7CPNS		•	•	•	•				•								•								•	•
PODV7CWNS		•	•	•	•				•								•								•	•
POH1000	•	•			•						•	•	•	•									•	•		•
POH1000HB		•			•				•							•								•	•	•
POH1000NWM		•			•				•															•	•	•
POH1500HB		•			•				•							•								•	•	•
POSM5V		•												•											•	•
PPFD9C		•			•	•	•									•						•			•	•
PPM484S		•								•				•	•			•	•	•					•	•
PRCM1	•							•										•	•					•	•	•
PS484S		•								•				•	•			•	•	•					•	•
PWM484S		•								•				•	•			•	•	•					•	•




















SECURITY SURVEILLANCE SOLUTIONS



Bracket Model	Features							Camera Models																
	Indoor	Outdoor	Vandal	Pendant Mount	Wall Mount	Smoke Dome	Recessed Ceiling	WV-SW559/558/355/352	WV-SW396/395	WV-SC386	WV-SC385/384	WV-SP509/508	WV-SP306/305/302	WV-SP105/102	WV-SF336/335/332	WV-NW502S	WV-CW594	WV-CW504F	WV-CW364S/334S	WV-CS584	WV-CP500 Series	WV-CP300 Series	WV-CF300 Series	
PPRM30G		•			•			•									•							
PPRM30GB		•			•			•									•							
PSRCW200B		•					•										•							
PUM8	•				•							•	•	•							•	•		
PWM20G		•			•			•									•							
PWM20GB		•			•			•									•							
PWM20GS		•			•			•									•							
PWM30G		•			•			•									•							
PWM30GB		•			•			•									•							
WV-Q105	•								•		•									•				
WV-Q115	•	•	•															•						
WV-Q117	•			•																•				
WV-Q118A	•				•				•											•				
WV-Q126	•						•		•											•				
WV-Q154C	•				•						•													
WV-Q154S	•				•	•					•													
WV-Q155C	•						•				•													
WV-Q155S	•					•	•				•													
WV-Q156C	•										•													
WV-Q156S	•					•					•													
WV-Q157	•										•													
WV-Q169	•						•	•								•		•	•					•
WV-Q174	•						•								•									•

# HOUSING AND BRACKET COMPATIBILITY CHART

							
			PACA2/PACA2B	PAPM3/PAPM3B	PHM5	PPMF12D	PPRM30G/30GB
Housing		Description	Outdoor corner mount bracket	Outdoor pole mount adapter	Hanging mount bracket	Pendant mount bracket	Extended parapet mount
POD9CA		Outdoor pendant mount housing, silver	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
POD9CTA		Outdoor pendant mount housing, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
POD9CWA		Outdoor housing, wall mount, silver	.	.			
POD9CWTA		Outdoor housing, wall mount, white	.	.			
PODV7CPNS		Outdoor vandal-resistant housing, pendant, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
PODV7CWNS		Outdoor vandal-resistant housing, wall mount, white	.	.			
PODV9CPTA		Outdoor vandal-resistant housing, pendant, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
PODV9CWTA		Outdoor vandal-resistant housing, wall mount, white	.	.			
POH1000		10" outdoor fixed box housing					
POH1000HB		10" outdoor fixed box housing with heater/blower					
POH1000NWM		10" outdoor fixed box housing with heater/blower and PoE+					
POH1500		15" outdoor fixed box housing					
POH1500HB		15" outdoor fixed box housing with heater/blower					
PPFD9C		Pressurized dome housing	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.

						
			PSRCW2000B	PWM20G/ PWM20GB/ PWM20G5	PWM30G/30GB	PWM800
Housing		Description	Outdoor parapet roof top bracket	Parapet mount	Parapet mount	Outdoor wall/pole mount
POD9CA		Outdoor pendant mount housing, silver		.	.	
POD9CTA		Outdoor pendant mount housing, white		.	.	
POD9CWA		Outdoor housing, wall mount, silver	.			
POD9CWTA		Outdoor housing, wall mount, white	.			
PODV7CPNS		Outdoor vandal-resistant housing, pendant, white		.	.	
PODV7CWNS		Outdoor vandal-resistant housing, wall mount, white	.			
PODV9CPTA		Outdoor vandal-resistant housing, pendant, white		.	.	
PODV9CWTA		Outdoor vandal-resistant housing, wall mount, white	.			
POH1000		10" outdoor fixed box housing				.
POH1000HB		10" outdoor fixed box housing with heater/blower				.
POH1000NWM		10" outdoor fixed box housing with heater/blower and PoE+				.
POH1500		15" outdoor fixed box housing				.
POH1500HB		15" outdoor fixed box housing with heater/blower				.
PPFD9C		Pressurized dome housing		.	.	

**PACA2**

Corner-Mount Adapter for Dome Housing (Black)

JENNE PART NUMBER:  
PACA2



PACA2

**POH1500HB**

Indoor/Outdoor Housing for Fixed Cameras

- Paintable UV-Resistant Polymer
- Tamper-Resistant Screws
- Sunshield Included
- Easy Installation and Maintenance
- Built-In Heater and Blower
- Comes with Wall-Mount Bracket



POH1500HB

JENNE PART NUMBER:  
POH1500HB

**PPM484S**

Vandal-Resistant Pole Mount

- Weatherproof • Pass through for wire connections
- Pole outdoor mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PPM484S



PPM484S

**PHM484S**

Vandal-Resistant Hanging Mount

- Weatherproof • Pass through for wire connections
- Made of 1" thick steel tubing
- Beige powder coat finish
- Outdoor hanging mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PHM484S



PHM484S

**PACA2B**

Corner-Mount Adapter for Dome Housing (Beige)

• Metal Corner Mount Bracket  
JENNE PART NUMBER:  
PACA2B

**PAPM3, PAPM3B**

Pole-Mount Adapter for Dome Housing

- For Pole Mounting

JENNE PART NUMBER:

**PAPM3** Black  
**PAPM3B** Beige



PAPM3

**PS484S**

Vandal-Resistant Shroud

- Durable cast aluminum construction
- 1 1/2" NPT thread for easy mounting
- Weatherproof

JENNE PART NUMBER:  
PS484S



PS484S

**PCM484S**

Vandal-Resistant Corner Mount

- Weatherproof • Pass through for wire connections
- Corner outdoor mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PCM484S



PCM484S

**PWM484S**

Vandal-Resistant Wall Mount

- Weatherproof • Pass through for wire connections
- Outdoor wall mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PWM484S



PWM484S

MONITOR DISPLAYS

**PLCD15V**

15" LCD Monitor

- Screen resolution: 1,024 x 768
- Contrast ratio: 600 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 160°/160°
- Brightness: 250cd/m<sup>2</sup>
- Active Matrix TFT

JENNE PART NUMBER:  
PLCD15V



PLCD15V

**PLCD20P**

20" LCD Monitor

- Screen resolution: 1,600 x 1,200
- Contrast ratio: 800 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 178°/178°
- Brightness: 300cd/m<sup>2</sup> • Active Matrix TFT

JENNE PART NUMBER:  
PLCD20P



PLCD20P

### PLCD24HD

#### 24" High Definition LCD Monitor

- Screen resolution: 1,920 x 1,200 • Contrast ratio: 1,000 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 160°/160°
- Brightness: 400cd/m<sup>2</sup>
- Active Matrix TFT
- DVI and HDMI inputs

**JENNE PART NUMBER:**  
**PLCD24HD**



PLCD24HD

### PLCD42HD

#### 42" High Definition LCD Monitor

- Screen resolution: 1,920 x 1,200
- Contrast ratio: 1300: 1
- 2x BNC composite inputs with loop through outputs, S-Video and RGB
- Viewing angle: 178° / 178°
- Brightness: 500 cd/m<sup>2</sup>
- Active Matrix TFT with approx. 16.7 million colors
- DVI and HDMI inputs

**JENNE PART NUMBER:**  
**PLCD42HD**



PLCD42HD

## MATRIX AND CONTROL SYSTEMS

### PMPU2000

#### System Management Server

- Linux based system management server, No device license fees
- Satellite feature allows linking 64 PMPU1000 standalone systems to a global system with universal cross network access
- Supports up to 2,048 alarm inputs and various alarm source types and management, supports up to 2,048 event schedules
- Flexible system design for use with both analog and IP systems
- 16 Simultaneous operators per local system
- Operator management, priority, access and timer executed restrictions
- 3x Built-in network interfaces (10Base-T/100Base-TX)

**JENNE PART NUMBER:**  
**PMPU2000**



PMPU2000

### WJ-SX650

#### Mid-Range Matrix Switcher

- Easy configuration • Compact • Supports up to 1,024 alarm inputs
- 256 inputs x 32 outputs, expandable up to 512 x 64
- Simple set-up with administrator console
- Seamless control integration with WJ-HD300A and WJ-RT416 DVR series

**JENNE PART NUMBER:**  
**WJ-SX650**



WJ-SX650

### WV-ASM970

#### Management Software for PMPU1000

- Dedicated GUI (Graphic User Interface) for PMPU1000 • Multi-split screen (1/4/7/9/10/13/16 split) support
- Two monitor operation is available (1st: map & operation, 2nd: live and playback video)
- Up to 30 ips/camera can be displayed in 16 split-screen in H.264 1.5 Mbps mode with VGA
- Camera Control (PTZ, Preset, Iris, Auto function and so on) supported
- Up to 100 map (JPEG or Bitmap) with up to 64 camera icons in a map
- File converter is included • One license per PMPU1000 server, includes up to 64 WV-ASM970 installations

**JENNE PART NUMBER:**  
**WV-ASM970**



WV-ASM970

### WV-CU650

#### System Controller

- Control of Panasonic switchers and digital recorders
- PTZ camera control • Separate 3D joystick control
- Panasonic digital recorders control buttons and jog/sechuttle
- Enables complete cascade function for WJ-HD300A DVR Series
- RS485 data port for PS
- Data link or terminal mode

**JENNE PART NUMBER:**  
**WV-CU650**



WV-CU650

### WV-CU950

#### System Controller

- Control of Panasonic switchers and digital recorders
- PTZ camera control • Separate 3D joystick control
- Panasonic digital recorders control buttons and jog/sechuttle
- Data link or terminal mode
- 10Base-T/100Base-TX Ethernet port
- RS485 data port for PS

**JENNE PART NUMBER:**  
**WV-CU950**



WV-CU950

The KX-NCP500/1000 is highly-modular and specifically designed to improve business communication workflow. NCP systems allow you to effectively reach, serve, and retain customers by offering a powerful combination of intelligent call routing, call center functionality and integral desktop productivity applications.

**Features:**

- Built-in voice messaging and Automated Attendant functionality
- Advanced voicemail using optional TVA50 and TVA200 voice-processing systems
- Mobility applications that support mobile phones as office extensions
- Support for remote workers and remote offices
- Access to cordless handsets that work anywhere in your building
- Remote management, upgrades and monitoring for your phone system
- Desktop, network, and business application integration
- Communication Assistant call management software
- Built-in support for Advanced IP extensions, as well as SIP phones
- Integrated SIP solutions via SIP trunking providers for more affordable long-distance calling



KX-NCP500



KX-NCP1000

**KX-NCP500/1000 EXPANSION**

JENNE PART NUMBER:	Description
<b>IP Softphone Licences</b>	
<b>KX-NCS3201</b>	1-Channel IP Softphone Activation Key (IPPTS1)
<b>KX-NCS3204</b>	4-Channel IP Softphone Activation Key (IPPTS4)
<b>KX-NCS3208</b>	8-Channel IP Softphone Activation Key (IPPTS8)
<b>KX-NCS3216</b>	16-Channel IP Softphone Activation Key (IPPTS16)
<b>KX-NCS4201</b>	1-Channel IP Softphone Activation Key (IPPTS1)
<b>KX-NCS4204</b>	4-Channel IP Softphone Activation Key (IPPTS4)
<b>KX-NCS4216</b>	16-Channel IP Softphone Activation Key (IPPTS16)
<b>IP Proprietary Telephone (IP-PT) Licenses</b>	
<b>KX-NCS3501</b>	1-Channel Advanced IP Telephone Activation Key (1 IP PT)
<b>KX-NCS3504</b>	4-Channel Advanced IP Telephone Activation Key (4 IP PT)
<b>KX-NCS3508</b>	8-Channel Advanced IP Telephone Activation Key (8 IP PT)
<b>KX-NCS3516</b>	16-Channel Advanced IP Telephone Activation Key (16 IP PT)
<b>KX-NCS4501</b>	1-Channel Advanced IP Telephone Activation Key (IPPT1)
<b>KX-NCS4504</b>	4-Channel Advanced IP Telephone Activation Key (IPPT4)
<b>KX-NCS4516</b>	16-Channel Advanced IP Telephone Activation Key (IPPT16)
<b>Enhanced Feature Licenses (for TDE/NCP only)</b>	
<b>KX-NCS3910</b>	Activation Key For Enhanced Features (UCAV2)

JENNE PART NUMBER:	Description
<b>Communication Assistant Software Licenses</b>	
Communication Assistant Basic Express <b>Available For Free Download</b> ( <a href="http://www.TDE.PANACARE.com">www.TDE.PANACARE.com</a> ).	
<b>KX-NCS2201</b>	Communication Assistant Pro (1-Key)
<b>KX-NCS2205</b>	Communication Assistant Pro (5-Key)
<b>KX-NCS2210</b>	Communication Assistant Pro (10-Key)
<b>KX-NCS2240</b>	Communication Assistant Pro (40-Key)
<b>KX-NCS2249</b>	Communication Assistant Pro (128-Key)
<b>KX-NCS2301</b>	Activation Key For CA ACD Monitor For 1 ICD Supervisor
<b>KX-NCS2401</b>	Communication Assistant Operator Console
<b>KX-NCS2020</b>	Communication Assistant CSTA Multiplexor License
<b>KX-NCS2901</b>	Communication Assistant Network Plugin (1-Key)
<b>KX-NCS2905</b>	Communication Assistant Network Plugin (5-Key)
<b>KX-NCS2910</b>	Communication Assistant Network Plugin (10-Key)
<b>KX-NCS2940</b>	Communication Assistant Network Plugin (40-Key)
<b>KX-NCS2949</b>	Communication Assistant Network Plugin (128-Key)
<b>KX-NCS2010</b>	Communication Assistant Thin Client License
<b>SIP Trunk/Gateway Licenses</b>	
<b>KX-NCS3102</b>	2-Channel SIP Trunk/H.323 Activation Key (SHGW2)
<b>KX-NCS3104</b>	4-Channel SIP Trunk/H.323 Activation Key (SHGW4)
<b>KX-NCS4102</b>	2-Channel IP Trunk Activation Key (SHGW2)
<b>3rd Party SIP Licenses</b>	
<b>KX-NCS3701</b>	1-Channel SIP Extension Activation Key (1 SIP Extension)
<b>KX-NCS3704</b>	4-Channel SIP Extension Activation Key (4 SIP Extension)
<b>KX-NCS3708</b>	8-Channel SIP Extension Activation Key (8 SIP Extension)
<b>KX-NCS3716</b>	16-Channel SIP Extension Activation Key (SPE16)

**KX-TDE100/200/600**

Powerful and versatile communication systems that will easily adapt to any business, providing solutions that will improve the way your business communicates.

The KX-TDE100/200/600's converged architecture is extremely versatile, providing multiple options to meet the expansion needs of your growing business. To increase the system capacity, the free-slot design allows you to add cards to accommodate additional extensions, COs, or features, or you can also expand the system by adding licenses to activate the system's built-in virtual IP ports. The converged architecture provides easy, cost-effective solutions to meet your expansion needs, so you can grow your communications network without having to purchase a new system.

**KX-TDE100****Converged IP PBX Control Unit**

- 1 cabinet with 6 free slots • Main Processor Unit – Power Supply Not Included

**Features:**

- Multi-Cell Wireless • VoIP gateway with QSIG (Enhanced System Networking)
- VoIP Extensions • PC-Based Programming
- DXDP (Digital Extra Device Port) • Automatic Route Selection (ARS)
- Toll Restriction • Caller ID • ISDN Primary Rate Interface with QSIG and T1
- Networking with Centralized Voice Mail
- Voice Mail Integration • Uniform Call Distribution • Direct Inward System Access

**JENNE PART NUMBER:****KX-TDE100**

KX-TDE100

**KX-TDE200****Converged IP PBX Control Unit**

- 1 cabinet with 11 free slots
- Main Processor Unit – Power Supply Not Included
- Features are the same as those of the KX-TDE100

**JENNE PART NUMBER:****KX-TDE200**

KX-TDE200

**KX-TDE600****Basic Shelf (Main Unit), Maximum Capacity 160 Ports Contains:**

- 1 cabinet with 10 free slots • Main Processor Unit – Power Supply Not Included
- 1 SD Card • 4 virtual extension slots • 4 virtual CO slots

**Features**

- SIP trunk • SIP extension • Multi-Cell Wireless (DECT or 2.4GHz)
- VoIP Gateway with QSIG (enhanced system networking) • VoIP extensions
- PC-based programming • DXDP (Digital Extra Device Port)
- Automatic Route Selection (ARS) • Toll Restriction • Caller ID (Name and Number)
- ISDN Primary Rate Interface (PRI) with QSIG and T1
- Voice Mail Integration • Networking with Centralized Voice Mail
- Uniform Call Distribution (UCD) • Direct Inward System Access (DISA)

**JENNE PART NUMBER:****KX-TDE600**

KX-TDE600

**CA – Communication Assistant Productivity Application Suite**

Communication Assistant is a highly-intuitive PC-based application suite and provides a number of features including:

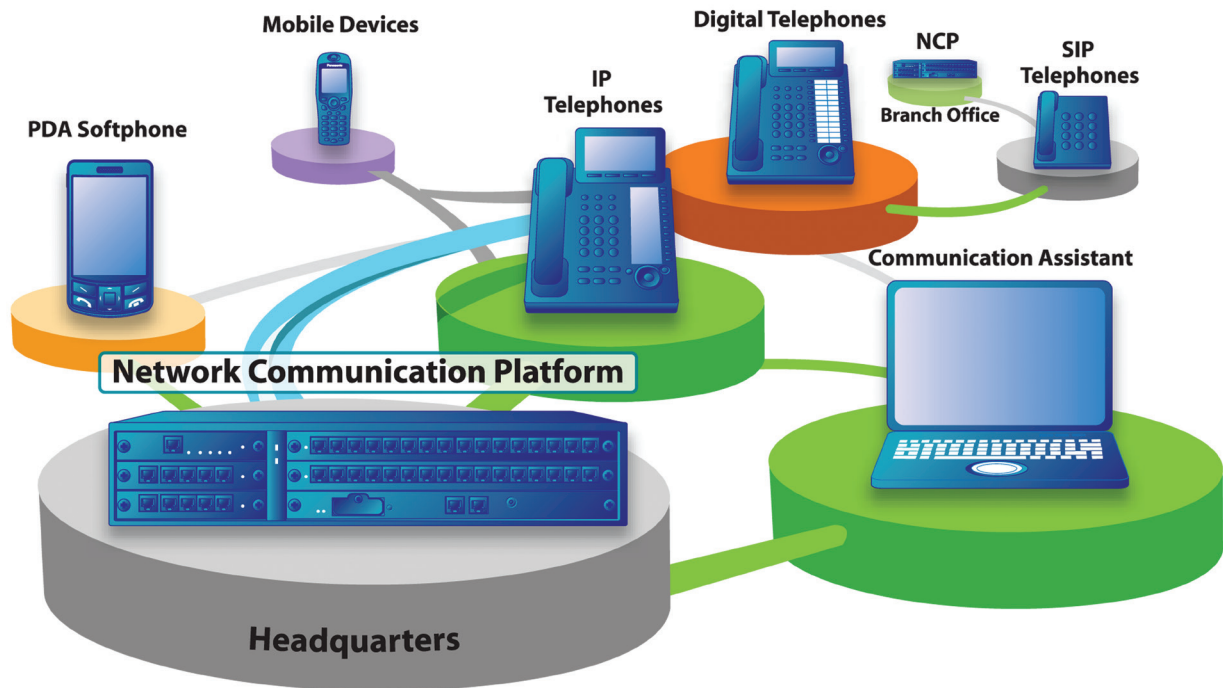
- Enhanced Voice Messaging (VMA) • Instant Messaging (Chat)
- Presence • MS Outlook Integration
- CRM Integration (TAPI) • Softphone

Communication is key to running a successful business, whether you are small or large. Communication bottle-necks can seriously affect customer service, damage client relationships and lower productivity.

Panasonic Enhanced Communication productivity suites offer an affordable, flexible, and reliable solution that can deliver improvements such as:

- Increase Revenue • Reduce Cost
- Enhance Customer Satisfaction • Improve Employee Productivity
- Strengthen your competitive position • Address the challenges of Mobility and Market Globalization

MODE	TARGETED SOLUTION	BENEFITS
Communication Assistant Basic	Point-and-click unified communications for desk-based or remote workers.	Helps you visually control all your communications from your PC.
Communication Assistant Pro	Point-and-click unified communications for desk-based or remote workers. Provides users with real-time, rich-presence information.	Helps you visually control all your communications from your PC. Stay informed of users' availability where ever they may be.
Communication Assistant Supervisor	Team supervisors to monitor employees' call activities.	Helps you manage all your group members telephony activities.
Mail Assistant Voice Module	Enables access to unified messaging.	Allows users to check their voicemail messages visually from PC, as well as forward messages to other as .wav files.





## KX-TDA620 (Compatible with TDE600 PBX System)

### Expansion Shelf

Maximum Capacity 160 Ports

### Contains

- 1 shelf with 11 free slots • 1 BUS-S Card

A maximum of 3 KX-TDA620 expansion shelves can be connected to the KX-TDE600 basic shelf. Requires that BUS-M (KX-TDA6110) and BUS-ME (KX-TDA6111) cards be installed in the KX-TDE600 basic shelf. (Power Supply Not Included)

### JENNE PART NUMBER:

**KX-TDA620**

## KX-TDE100/200/600 ACCESSORIES

JENNE PART NUMBER:	Description	JENNE PART NUMBER:	Description
<b>KX-A243</b>	19" Bracket for TDA or TDE100	<b>KX-NCS4508</b>	8-Channel IP Proprietary Telephone Activation Key (IPPT8)
<b>KX-A258</b>	Blank Slot Cover	<b>KX-TDA0490</b>	16-Channel IP Gateway Card (IP-GW16)
<b>KX-TDA0181</b>	16-Port Loop Start CO Trunk Card (LCOT16)	<b>KX-TDA0144</b>	8-Port Cell Station Interface Card
<b>KX-TDA0290</b>	ISDN Primary Rate Interface (PRI23)	<b>KX-NCS4910</b>	Activation Key for Enhanced Features (UCAV2)
<b>KX-TDA0171</b>	8-Port Digital Line Card (DLC8)	<b>KX-TDA6110</b>	Bus-ME Card (TDE600 ONLY)
<b>KX-TDA0173</b>	8-Port Single Line Card (SLC8)	<b>KX-T0155</b>	2-Channel DECT Cell Station
<b>KX-TDA0177</b>	16-Port Single Line Card (SLC16)	<b>KX-TDA0156</b>	4-Channel DECT Cell Station w/CISF 4 or 8
<b>KX-TDA0190</b>	Optional 3-Slot Base Card (OPB3)	<b>KX-TDA6178</b>	24-Port Single Line Card (ECSLC24) w/Caller ID (TDE600 ONLY)
<b>KX-TDA0191</b>	4-Channel Message Card (MSG4)	<b>KX-TDA0290</b>	ISDN Primary Rate Interface (PRI23)
<b>KX-TDA0166</b>	16-Port Echo Cancellation Card (ECHO16)	<b>KX-TDA6155</b>	16-Port Echo Cancellation Card (EECHO16)
<b>KX-TDA0108</b>	S-Type Power Supply	<b>KX-TDA6201</b>	Wall Bracing Kit (TDE600 ONLY)
<b>KX-TDA0103</b>	L-Type Power Supply	<b>KX-NCS4950</b>	Activation Key for Enhanced Features
<b>KX-A242</b>	19" Bracket for TDA or TDE200	<b>KX-TDE0101</b>	KX-TDE MPR Card
<b>KX-TDA0180</b>	8-Port Loop Start CO Trunk Card (LCOT8)	<b>KX-NCS4104</b>	4-Channel IP Trunk Activation Key (SHGW4)
<b>KX-TDA0187</b>	T1 Trunk Card (T1)	<b>KX-TDA0470</b>	16-Channel IP Extension Card (IP-EXT16)
<b>KX-TDA0193</b>	8-Port Caller ID Card (CID8)	<b>KX-TDA0143</b>	4-Port Cell Station Interface Card
<b>KX-TDA0170</b>	8-Port Digital Hybrid Line Card (DHLC8)	<b>KX-NCS4716</b>	16-Channel SIP Extension Activation Key (SPE16)
<b>KX-TDA0172</b>	16-Port Digital Line Card (DLC16)	<b>KX-T0158</b>	8-Channel DECT Cell Station
<b>KX-TDA0174</b>	16-Port Single Line Card (SLC16)	<b>KX-TDE6101</b>	MPR Card for Upgrade from TDA600 (TDE600 ONLY)
<b>KX-TDA0175</b>	16-Port Single Line Card with Message Waiting (MSLC16)	<b>KX-TDA6181</b>	16-Port Loop Start CO Trunk Card (ELCOT16) (TDE600 ONLY)
<b>KX-TDA0164</b>	External Relay and Sensor Control Card (EIO4)	<b>KX-NCS4701</b>	1-Channel SIP Extension Activation Key (SPE1)
<b>KX-TDA0161</b>	4-Port Doorphone Card (DPH4)	<b>KX-NCS4704</b>	4-Channel SIP Extension Activation Key (SPE4)
<b>KX-TDA0196</b>	Remote Card	<b>KX-NCS4708</b>	8-Channel SIP Extension Activation Key (SPE8)
<b>KX-TDA0104</b>	M-Type Power Supply		
<b>KX-TDE0111</b>	64-Channel VoIP DSP Card (DSP64)		
<b>KX-TDE0110</b>	16-Channel VoIP DSP Card (DSP16)		
<b>KX-NCS4208</b>	8-Channel IP Softphone/IP Proprietary Telephone Activation Key (IPPTS8)		

## MOUNTING BRACKETS AND SLOT COVERS

### KX-A243

19" Bracket for TDA or TDE100

- For mounting in a 19" rack

### JENNE PART NUMBER:

**KX-A243**

### KX-A242

19" Bracket for TDA or TDE200

- For mounting in a 19" rack

### JENNE PART NUMBER:

**KX-A242**



KX-A243/242

### KX-A258

Blank Slot Cover

- Optional metal panel to cover unused free slots
- One panel covers one slot
- 5 panels per package
- NOTE: To be used when mounting in a 19" rack
- 2 year warranty

### JENNE PART NUMBER:

**KX-A258**



KX-A258

**KX-TDA620 Expansion Shelf**

- Maximum of 3 KX-TDA620 expansion shelves can be connected to the KX-TDA600 basic shelf
- Requires KX-TDA6110 and KX-TDA6111 cards installed in the KX-TDA600 basic shelf

**JENNE PART NUMBER:**  
**KX-TDA620**

**KX-TDA6110 Bus-M Card**

- Required to connect the Basic Shelf KX-TDA600 to the first expansion KX-TDA620

**JENNE PART NUMBER:**  
**KX-TDA6110**

**KX-TDA6174 16-Port Single Line Card**

- 4 ports equipped with power failure transfer and 16 DTMF receivers

**JENNE PART NUMBER:**  
**KX-TDA6174**

**KX-TDA6181 16-Port Loop Start Co Trunk Card**

- 4 ports equipped with power failure transfer and 16 DTMF receivers

**JENNE PART NUMBER:**  
**KX-TDA6181**

**KX-TDA6166 16-Port Echo Cancellation Card**

- Provides echo cancellation for conference calls for up to 16 ports

**JENNE PART NUMBER:**  
**KX-TDA6166**

**KX-TDA6201 Wall Bracing Kit**

- For securing KX-TDA600 and KX-TDA620 to wall
- Recommended for 2, 3, and 4 shelf systems

**JENNE PART NUMBER:**  
**KX-TDA6201**

**KX-TDA6111 Bus-ME Card**

- Optional shelf expansion card
- Mounts on the KX-TDA6110 Bus-M Card
- Required to connect second and third expansion shelves

**JENNE PART NUMBER:**  
**KX-TDA6111**

**KX-TDA6175 16-Port Single Line Card with Message Waiting**

- Supports single-line phones with/without message waiting lights

**JENNE PART NUMBER:**  
**KX-TDA6175**

**KX-TDA50G HYBRID IP PBX**

**KX-TDA50G**

**Hybrid IP PBX Control Unit**

The KX-TDA50G main unit is initially configured with 4 Super Hybrid Extension Ports and 4 Loop Start CO ports (1 LCOT card), Caller ID Card (CID4), Power Supply, RS232 port, USB port, MOH port, Paging port and an SD card. The system is expandable to 8 COs and 24 physical extension ports or 12 COs and 20 physical extension ports. The 28 extension ports can support a combination of 52 wired and wireless extensions. With D-PITS the system can support 48 digital KX-T7600 Series telephones.

**Features:**

- Multi-Cell Wireless
- PC-Based Programming
- Automatic Route Selection (ARS)
- Toll Restriction
- Supports XDP and Digital XDP on the 7600 Series Telephones
- Caller ID
- VoIP
- Digital Voice Mail Integration
- Compatible with KX-T7600, 7400, 7700 Series, SLT Telephones and VoIP Phones
- Direct Inward System Access (DISA)-SIP Trunking Support
- Model KX-A244X Optional rack mounting bracket for the KX-TDA50G
- 2 year warranty

**JENNE PART NUMBER:**  
**KX-TDA50G**



KX-TDA50G



KX-A244X

## KX-TDA5105

### Memory Expansion

- Allows additional extensions beyond initial capacity
- Mounts on the Main Processor card for specific larger applications

**JENNE PART NUMBER:**

**KX-TDA5105**

## KX-TDA5170

### 4 Port Hybrid Line Card (HLC4)

- 4 ports per card • Maximum one per system • 2 year warranty
- Supports KX-T7700 (APT) series telephones, Single Line (SLT) & DSS console, (KX-T0141) 2 port Cell Station & Voice Mail

**JENNE PART NUMBER:**

**KX-TDA5170**

## KX-TDA5171

### 4 Port Digital Line Card (DLC4)

- 4 ports per card • Maximum one per system • 2 year warranty
- Supports KX-T7600, KX-T7400 (DPT) series telephones, DSS console, (KX-T0141) 2 port Cell Station and Voice Mail

**JENNE PART NUMBER:**

**KX-TDA5171**

## KX-TDA5172

### 8 Port Digital Line Card (DLC8)

- 8 ports per card • Maximum two per system • 2 year warranty
- Supports KX-T7600, KX-T7400 (DPT) series telephones, DSS console, (KX-T0141) 2 port Cell Station & Voice Mail

**JENNE PART NUMBER:**

**KX-TDA5172**

## KX-TDA5450

### 5450 SIP Trunk Card

- Base Card • 4 SIP Trunks

**JENNE PART NUMBER:**

**KX-TDA5450**

## KX-TDA5451

### 5451 SIP Trunk Card

- 8 SIP Trunks

**JENNE PART NUMBER:**

**KX-TDA5451**

## KX-TDA5173

### 4 Port Single Line Card (SLC4)

- 4 ports per card • Supports single line telephones (SLT)
- Also equipped with 4 DTMF receivers • Maximum one per system
- 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5173**

## KX-TDA5192

### In-Skin Simple Voice Mail Card

- 2 SVM cards can be installed in each PBX
- Each card allow up to 125 messages (greeting + voice) with approximately 60 minutes total recording time
- Each card is assigned a floating extension number
- Maximum two cards per system • One mailbox per assigned extension

**JENNE PART NUMBER:**

**KX-TDA5192**

## KX-TDA5470

### 4 Port IP Extension Card

- 4 ports per card • Supports up to 4 KX-NT265 and/or KX-NT346
- Maximum of 1 card per system • Card occupies an 8-port slot
- 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5470**

## KX-TDA5174

### 8 Port Single Line Card (SLC8)

- 8 ports per card • Supports Single Line Telephones (SLT)
- Also equipped with 8 DTMF receivers
- Maximum of 2 cards per system • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5174**

## KX-TDA5175

### 4 Port Proprietary Line Card (PLC4)

- 4 ports per card • Supports KX-T7700 series (APT), DSS and Voice Mail
- Maximum of 1 card per system • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5175**

## KX-TDA5176

### 8 Port Proprietary Extension Card (PLC8)

- 8 ports per card • Supports KX-T7700 Series (APT), DSS and Voice Mail
- Maximum of 2 cards per system • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5176**

## KX-TDA5180

### 4 Port Loop Start CO Card (LCOT4)

- 4 ports per card • 2 ports have power failure transfer
- 1 optional (KX-TDA5193) 4 port Caller ID can be mounted to support Caller ID • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5180**

## KX-TDA5480

### VoIP Gateway Card (IPGW4)

- Supports up to 4 IP connections
- Supports H.323 V.2, Voice coded: G.729a and G.723.1 and G.711
- Physical 1/f 10/100Base-T • Maximum of 1 card per system
- Required to support server/client CTI applications • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5480**

## KX-TDA5161

### 4 Port Doorphone/Door Opener Card (DPH4)

- Supports up to 4 KX-T30865 or KX-T7775 doorphones
- Also equipped with 4 dry contacts for connection to electric door strike or other compatible equipment
- Maximum of 1 card per system • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5161**

## KX-TDA5168

### Extension Caller ID Card (EXT-CID)

- Required to pass Caller ID to Single Line Telephones, fax, answering machines etc. • 2 year warranty
- Supports up to 8 SLT devices • Mounts in any optional slot
- Requires KX-TDA5193 to operate • Maximum of 1 card per system

**JENNE PART NUMBER:**

**KX-TDA5168**

## KX-TDA5196

### Remote Card (V.90) (RMT)

- Modem card for remote maintenance and programming
- Maximum of 1 card per system • 2 year warranty

**JENNE PART NUMBER:**

**KX-TDA5196**

**KX-TDA5166**

**8 Channel Echo Canceller Card (ECHO8)**

- Provides echo cancellation for conference calls for up to 16 ports
- Maximum of 1 card per system • 2 year warranty

**JENNE PART NUMBER:**  
**KX-TDA5166**

**KX-TDA5193**

**4 Port Caller ID Card (CID4)**

- Required to receive Caller ID information from the CO
- Each KX-TDA5193 activates Caller ID on 4 CO lines
- Mounts on the KX-TDA5180 Loop Start CO Cards
- Max. of one KX-TDA5193 card per KX-TDA5180 or max. two per system
- 2 year warranty

**JENNE PART NUMBER:**  
**KX-TDA5193**

**KX-A236**

**Additional AC Power Supply**

- Optional external power supply required when over 4 KX-T7200, 7400, 7700, 7000 Series Telephone and over 4 KX-TDA0151 Cell Stations are installed

**JENNE PART NUMBER:**  
**KX-A236**



KX-A236

**KX-TDA5191**

**2 Channel Message Card (MSG2)**

- Provides 2 ports for outgoing messages for DISA, Call Distribution Queuing, Wake-Up and Internal Hold melody
- Maximum 32 messages can be recorded with maximum total recording time of 15 minutes
- Maximum of 1 card per system • 2 year warranty

**JENNE PART NUMBER:**  
**KX-TDA5191**

**KX-TVA50/KX-TVA200 VOICE MAIL SYSTEMS**

**KX-TVA50 and KX-TVA200 Voice Processing Systems**

The very robust new models of voice processing are Linux-based to provide all the features of the industry leading VPS line while adding greater audio quality, faster installations with the Windows programming tool, voice prompts in 7 languages, Subscriber Tutorial, remote programming via modem or LAN and E-Mail Integration. Both models provide enhanced user display with KX-TDA interactive LCD Voice Mail menus.

- Comprehensive Voice Mail Services • Automated Attendant with call screening, call blocking, intercom paging and fax routing
- Enhanced Personal Custom Services with Dial by Name and Interview Service • External Message Delivery and Enhanced Message Notification
- Live Call Screening, Two-Way Record, Two-Way Transfer • Caller ID Call Back, Caller ID Name Announcement, Caller ID Personal Greeting
- Caller ID/DID Call Routing • LAN/WAN Integration

**KX-TVA50**

**Voice Processing System**

- Standard with 1 KX-TVA502 installed for DPITS, APITS and In-Band Integration
- 2 ports (expandable to 6 ports using either the KX-TVA502 or the KX-TVA503 cards)
- 4 hours of storage (expandable to 8 hours using the KX-TVA524) • 64 mailboxes
- 1 USB port • Automated Attendant Service • Email integration
- Windows based PC Programmable • Optional built-in remote modem card
- Proprietary Telephones Voice Mail Menu • Live call screening
- Intercom paging • Interview Service • Multi-lingual voice prompts
- Paging notification with call back number
- Variable playback volume/speed with pause

**JENNE PART NUMBER:**  
**KX-TVA50**



KX-TVA50

**KX-TVA200**

**Voice Processing System**

- Initially 4 ports (expandable to 24 ports using KX-TVA204 cards) • DPITS Only
- 1000 hours storage • USB and RS232 ports • 1024 mailboxes • Automated Attendant Service
- Email integration • Windows based PC Programmable • Remote programming via a LAN
- Optional built-in remote modem card • Proprietary Telephones Voice Mail Menu
- Live call screening • Intercom paging • Interview service
- Multi-lingual voice prompts • Paging notification with call back number
- Interactive menus on LCD of 7600 series telephones with Rev. Level 2.01 and above
- Variable playback volume/speed with pause
- Optional KX-TVA244X for rack mounting

**JENNE PART NUMBER:**  
**KX-TVA200**



KX-TVA200

## KX-TVA502

### 2-Port DPT/APT/SLT Interface Card

- Expansion card for 2 ports supporting DPITS, APITS or In-Band
- Maximum 2 additional cards can be added to the KX-TVA50
- Expands KX-TA824 to 4 ports

**JENNE PART NUMBER:**  
**KX-TVA502**

## KX-TVA524

### 4-Hour Memory Expansion Card

- 4-hour memory Expansion card
- Maximum of 1 card can be added to the KX-TVA50

**JENNE PART NUMBER:**  
**KX-TVA524**

## KX-TVA296

### Remote Modem Card

- Remote Modem Card for both the KX-tva50 and KX-TVA200

**JENNE PART NUMBER:**  
**KX-TVA296**

## KX-TVA503

### 2-Port DPT Interface Card

- Expansion card for 2 ports supporting DPITS only
- Maximum 2 additional cards can be added to the KX-TVA50

**JENNE PART NUMBER:**  
**KX-TVA503**

## KX-TVA594

### LAN I/F Card for use with KX-TVA50

- LAN I/F Card required to provide E-Mail Integration from the KX-TVA50

**JENNE PART NUMBER:**  
**KX-TVA594**

## KX-TVA249, KX-A244

- 19" rack mount brackets for the KX-TVA50 and KX-TVA200

**JENNE PART NUMBER:**  
**KX-TVA249** Rack Mount Bracket for TVA50  
**KX-A244** Rack Mount Bracket for TVA200

# KX-TA824 ADVANCED HYBRID SYSTEMS

## KX-TA824

Panasonic Advanced Hybrid Systems are expressly designed to streamline office or home communications by organizing your phone lines into a cohesive system and making a host of advanced features available to each extension.

Assign specific lines to each phone, make intercom calls, forward your calls to an outside location, monitor a room, page all system extensions and more, all through the KX-TA824 Advanced Hybrid System.

Custom tailor your system for your busy needs in the office. The KX-TA824 offers a variety of options to enable customized solutions. The KX-TA824 has a base configuration of 3 central office lines and 8 stations with 1 caller ID card (KX-TA82493). It can be expanded up to 8 central office lines and 24 stations with addition of 2 plug-in cards, KX-TA82481 and KX-TA82483.

### Features:

- Central Office Voice Mail Compatible • Doorphone and Door/Gate Opener • Room Monitor • Conferencing • Backlit Display and Dial Keypad
- Single Line Extension Caller ID Compatibility • Single Line Device Integration • Intercom • Paging
- APITS Voice Mail Integration for Connection to KX-TVA50 • Flexible CO/Line Buttons • Speed Dial
- Optional Built-in Messaging Card (KX-TA82492) • Caller ID/Call Waiting • Night Mode
- PC Programming (Remote and On-Site System Administration) • 3-Level Auto Attendant DISA

**JENNE PART NUMBER:**  
**KX-TA824**

## KX-TA824-PK

### Value Package

- Includes 1 KX-TA824 Control Unit and 3 KX-T7731-B Telephones

**JENNE PART NUMBER:**  
**KX-TA824-PK**



KX-TA824

# KX-TA824 EXPANSION COMPONENTS

## KX-TA82483

### 3x8 Expansion Card

- Expands the system by adding 3 CO and 8 Extensions to make the system 6 COs and 16 Extensions. Maximum 1 per system.

**JENNE PART NUMBER:**  
**KX-TA82483**

## KX-TA82491

### DISA/Auto Attendant Card

- Answers and routes calls, 3 levels of custom OGM prompts, supports up to 32 OGMs. Maximum 1 per system.

**JENNE PART NUMBER:**  
**KX-TA82491**

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## KX-TA82481

### 2x8 Expansion Card

- Expands a 6 CO x 16 Extensions system by adding 2 CO and 8 Extensions to make the system 8 COs and 24 Extensions. 1 per system.

**JENNE PART NUMBER:**  
**KX-TA82481**

## KX-TA82470

### 0x8 Port Expansion Card (will not connect to KX-TA82481)

- Expands another 8 extensions (0 x 8)

**JENNE PART NUMBER:**  
**KX-TA82470**

**KX-TA82461**

**Door Phone/Door Open Card**

- Allows for 4 door intercoms, either KX-T30865, KX-T7775 or VL-GM301 Video Intercom. Relay contacts support up to 4 door strike mechanisms. Maximum 1 per system.

**JENNE PART NUMBER:**

**KX-TA82461**

**KX-TA82492**

**Voice Message Card**

- 2 Channel, 24 Mailboxes, 60 minute record time

**JENNE PART NUMBER:**

**KX-TA82492**

**KX-TA82493**

**Caller ID Daughter Boards**

- Optional daughter board required for each expansion card. The Caller ID supports both system Caller ID on KX-T7700 Series Telephones and FSK Caller ID on single line devices. These 8 port daughter boards mount on the Master Board.
- Mounts onto the KX-TA82483 Expansion Card or the KX-TA82481 Expansion Card
- Each Daughter Board supports 3 COs
- One daughter board included with the KX-TA824 cabinet

**JENNE PART NUMBER:**

**KX-TA82493**

**EXTENDED SERVICE PLANS**

JENNE PART NUMBER:	Description	BTS SKU Applicable
<b>KX-NSK501</b>	5-Yr Extended Service Program SKU for TDA Cabinets	KX-TDA50G/KX-TDA100/KX-TDA200/KX-TDA600/KX-TDA620
<b>KX-NSK502</b>	5-Yr Extended Service Program SKU for TDE Cabinets	KX-TDE100/KX-TDE200/KX-TDE600/KX-TDE620
<b>KX-NSK503</b>	5-Yr Extended Service Program SKU for NCP Cabinets	KX-NCP500/KX-NCP1000
<b>KX-NSK504</b>	7-Yr Extended Service Program SKU for KX-TDA50D3	KX-TDA50D3
<b>KX-NSK505</b>	7-Yr Ext. Service Program SKU for KX-TDA50D3V	KX-TDA50D3V
<b>KX-NSK506</b>	7-Yr Ext. Service Program SKU for KX-TDA50D1W/E	KX-TDA50D1W/E
<b>KX-NSK507</b>	7-Yr Ext. Service Program SKU for KX-TDA50D2VW/E	KX-TDA50D2VW/E
<b>KX-NSK508-50G</b>	5-Yr Extended Service Program SKU for TDA50G Cards	KX-TDA5170/KX-TDA5171/KX-TDA5172/KX-TDA5173/KX-TDA5174/ KX-TDA5175/KX-TDA5176/KX-TDA5470/KX-TDA5180/KX-TDA5450/ KX-TDA5451/KX-TDA5480/KX-TDA5161/KX-TDA5166/KX-TDA5168/ KX-TDA5191/KX-TDA5193/KX-TDA5194 /KX-TDA5196
<b>KX-NSK508</b>	5-Yr Extended Service Program SKU for All Cabinet Cards EXCEPT TDA50G	KX-NCP1170/KX-NCP1171/KX-TDA0161/KX-NCP1172/KX-NCP1173/ KX-TDA0166/KX-NCP1174/KX-TDA0175/KX-TDA0190/KX-TDA0171/ KX-TDA0172/KX-TDA0170/KX-TDA0193/KX-TDA0173/KX-TDA0174/ KX-TDA1176/KX-TDA0177/KX-TDA1178/KX-TDA0196/KX-TDA0175/ KX-TDA0290/KX-TDA0181/KX-TDA0143/KX-TDA0470/KX-NCP1180/ KX-TDA0484/KX-NCP1104/KX-NCP1187/KX-NCP1290/KX-TDE0110/ KX-TDA0180/KX-TDA0196/KX-TDA0187/KX-NCP1190/KX-TDA0168/ KX-TDA0190/KX-TDA6111/KX-TDA0490/KX-TDA0164/KX-TDA0191/ KX-TDA0193/KX-TDA0194/KX-TDA0410/KX-TDA0143/KX-TDA0144/ KX-TDA6166/0KX-NCP1104/KX-TDE010/KX-TDE0110/KX-TDE0111/ KX-TDA0196/KX-TDA6110/KX-TDA6111/KX-TDA6174/KX-TDA6175/ KX-TDA6178/KX-TDA6181
<b>KX-NSK609</b>	6-Yr Extended Service Program SKU for Wireless Phones	KX-TD7685/KX-TD7695/KX-TD7696/KX-TD7896/KX-TD7896-W/KX-T0155/ KX-T0158/KX-TDA0156/KX-NCP0158/KX-WT125/KX-WT126/KX-A405
<b>KX-NSK610</b>	6-Yr Extended Service Program SKU for Analog Phones	KX-T7720/KX-T7720-B/KX-T7731/KX-T7731-B/KX-T7736/KX-T7736-B/ KX-T7740/KX-T7740-B
<b>KX-NSK511</b>	5-Yr Extended Service Program SKU for Digital/IP Phones	KX-DT301-B/KX-DT321/KX-DT321-B/KX-DT333/KX-DT333-B/KX-DT343/ KX-DT343-B/KX-DT346/KX-DT346-B/KX-NT366/KX-NT366-B/KX-NT346/ KX-NT346-B/KX-NT343/KX-NT343-B KX-NT321/KX-NT321-B/KX-NT700/ KX-NT701/KX-NT400
<b>KX-NSK512</b>	5-Yr Extended Service Program SKU for Accessories	KX-TDA0103/KX-TDA0104/KX-TDA0108/KX-A236/KX-A239/KX-A242/ KX-A243/KX-A244/KX-A249/KX-A258/KX-DT301/KX-DT301-B/KX-NT303/ KX-NT303-B/KX-NT305/KX-NT305-B/KX-NT307/KX-DT390/KX-DT390-B/ KX-T30865-B/KX-T30865-W/KX-T7765/KX-T7775/KX-A420/KX-A421
<b>KX-NSK613-Acc</b>	6-Yr Ext. Service Program SKU for VM Accessories	KX-TVA204/KX-TVA296/KX-TVA502/KX-TVA503/KX-TVA524/KX-TVA594
<b>KX-NSK613</b>	6-Yr Extended Service Program SKU for VM Cabinets	KX-TVA50/KX-TVA200

## For IP-Centrex/Hosted Services and Open Source PBX Users

Businesses large and small are discovering the proven efficiencies and cost benefits of a SIP-based communications system. A pioneer in world-class telephony technology solutions, Panasonic now offers a wide range of SIP endpoints—from feature-rich desktop models to cordless options that let you cost-effectively outfit an entire office. Engineered with extensive, intuitive provisioning options, the Panasonic line of SIP phones features plug and play simplicity to get you up and running right away.

### KX-UT113/123-B

#### Basic SIP Phone with 2 line LCD Display

- 2 SIP Lines • General users/Common place • 2 Year Warranty
- High quality wideband voice (Handset, Headset & Speaker phone)
- 3-way conference call • Easy operation
- Audio Codec: G.711, G.722, G.726, G.729a
- Environmentally Friendly - Power Consumption 1W in ECO Mode

#### JENNE PART NUMBER:

- KX-UT113-B** 1-Ethernet port model: w/ PoE, No backlit LCD  
**KX-UT123-B** 2-Ethernet port model: w/ PoE, Backlit LCD



KX-UT123-B

### KX-UT133/136-B

#### Standard SIP Phone with Backlit LCD Display

- High quality wideband voice (Handset, Headset and Speaker phone) • 2 Year Warranty
- 6 line LCD (UT136) and 3 line LCD (UT133) • Audio Codec: G.711, G.722, G.726, G.729a
- 3-way conference call • EHS (Electric hook switch) for Plantronics headsets • Easy operation
- 2 Ethernet ports, PoE, for Simplified Wiring and Connecting a Second Device • 4 SIP Lines
- Environmentally Friendly - Power Consumption 1W in ECO Mode • General office users

#### JENNE PART NUMBER:

- KX-UT133-B** 3-Line  
**KX-UT136-B** 6-Line



KX-UT136-B

### KX-UT670

#### Smart SIP Desk Phone with 7-inch Touch Screen Display and IP Camera Integration

- High quality wideband voice (Handset, Headset, and Full Duplex Speakerphone)
- High quality video (H.264 / 720P) • 2 Year Warranty • Executives and Vertical markets
- Panasonic Network Camera Integration (16 Cameras) • 7-inch touch screen
- 2 1GbE ports, PoE, for Simplified Wiring and Connecting a Second Device
- 6 SIP Lines

#### JENNE PART NUMBER:

**KX-UT670**



KX-UT670

### KX-UT248-B

- HD Voice and PoE enabled • 4.4 inch LCD screen • 2 GigE Ports • Full Duplex Speakerphone
- Two Data Ports for Simplified Wiring and Connecting a Second Device (select models)
- Certified for Use with BroadSoft® BroadWorks®, Digium® Asterisk®, Metaswitch, Brekeke and others
- Extensive CODEC support: G711, G722, G.726, G729a
- 2 year Limited Warranty, 6 SIP Lines
- Environmentally Friendly - Power Consumption 1W in ECO Mode

#### JENNE PART NUMBER:

**KX-UT248-B**



KX-UT248-B

### KX-TGP500

#### SIP Base Unit and 1 Cordless Handset

- Support for 3 simultaneous network conversations • Wall mountable base unit
- CODEC: G.711a-law / G.711-law / G.722 (wideband) G.729a / G.726 (32K)
- DECT radio technology • Up to 6 DECT cordless handsets
- 2.1" Large LCD with white back light on cordless handset
- Support for up to 8 SIP registrations (e.g. up to 8 DID lines or extensions)
- Includes one KX-TPA50 handset • Hands-free speaker phone on cordless handset

#### JENNE PART NUMBER:

**KX-TGP500B04**



KX-TGP500B04

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### KX-TGP550

#### SIP Corded Handset Base Unit and 1 Cordless Handset

- 2.1" Large LCD with white back light on cordless handset
- Handset call button with status indicator on base unit
- Support for 3 simultaneous network conversations
- Support for up to 8 SIP registrations (e.g. up to 8 DID lines or extensions)
- CODEC: G.711a-law / G.711-law / G.722 (wideband) G.729a/G.726 (32K)
- Up to 6 DECT cordless handsets
- Includes one KX-TPA50 handset
- Ethernet pass-through port
- DECT radio technology

**JENNE PART NUMBER:**  
**KX-TGP550T04**



KX-TGP550T04

### KX-TPA50

#### SIP Additional Cordless Handset

- 2.1" Large LCD with white back light on cordless handset
- Bright message waiting indicator
- Soft keys
- 100 phone book memory
- 10 Last dialed numbers
- Local or network intercom
- DID specific ring tones
- 10 days stand-by and 5 hour talk time

**JENNE PART NUMBER:**  
**KX-TPA50B04**



KX-TPA50B04

## KX-NT300 SERIES IP TELEPHONES

### KX-NT321/B

#### 1-Line LCD Display IP Telephone

- 8 Programmable Keys
- Digital Duplex Speakerphone
- 2 Ethernet Ports • Power over Ethernet
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT321-B**      Black  
**KX-NT321**        White



KX-NT321-B

### KX-NT346/B

#### 6-Line Back-lit LCD Display IP Telephone

- 24 Programmable keys
- Digital duplex speakerphones
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-NT307 adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT346-B**      Black  
**KX-NT346-W**      White



KX-NT346-B

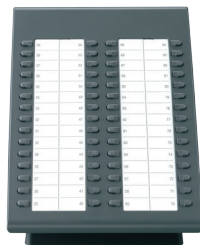
### KX-NT305/B

#### 60-Key Add-On Module

- 60 Programmable keys
- Compatible with the KX-NT346 and the KX-NT343 only
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT305-B**      Black  
**KX-NT305**        White



KX-NT305-B

### KX-A239

#### AC Adapter

- Used for KX-NT300 Series Telephones

**JENNE PART NUMBER:**

**KX-A239**

### KX-NT343/B

#### 3-Line Back-lit LCD Display IP Telephone

- 24 programmable keys
- Digital duplex speakerphones
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-A239 AC power adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT343-B**      Black  
**KX-NT343**        White



KX-NT343-B

### KX-NT366/B

#### 4 x 12 Button 6-Line Backlit LCD Display IP Telephone

- 4 x 12 self-labeling, programmable keys
- Digital duplex speakerphone
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-A239 AC power adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT366-B**      Black  
**KX-NT366**        White



KX-NT366-B

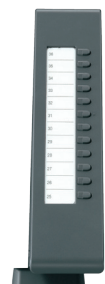
### KX-NT303/B

#### 12-Key Add-On Module

- 12 programmable keys
- Compatible with the KX-NT346 and the KX-NT343 only
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT303-B**      Black  
**KX-NT303**        White



KX-NT303-B



**KX-NT400**

**IP Telephone with Color, Touch Sensitive LCD Display**

- Touchscreen LCD QVGA 5.7" 65,000 colors • Multiple Screens for Smart, Efficient Office Management
- 48 self-labeling programmable soft keys for easy call handling • SD card slot and additional USB port
- Easy Navigation Key allows fast one-touch access to multiple phone system functions
- Bluetooth Module for effortless wireless headset communication • Built in web browser
- Second Ethernet Port allows direct connection from phone to PC • Power of Ethernet (PoE)
- Monitoring Solution and Network camera integration - can register and display video feeds for up to 20 IP network cameras

**JENNE PART NUMBER:**

**KX-NT400**

**KX-A420**

**AC Adapter**

- Used for KX-NT400 Telephone

**JENNE PART NUMBER:**

**KX-A420**



KX-NT400

**KX-DT300 SERIES DIGITAL SYSTEM TELEPHONES**

**KX-DT346**

**24-Button, 6-Line, Back-Lit LCD Digital Telephone**

- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adapter\*
- Digital Extra Device Port
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT346-B** Black

**KX-DT346** White

\*Note: Bluetooth capability requires v. 5 system software



KX-DT346-B

**KX-DT343**

**24-Button, 3-Line, Back-Lit LCD Digital Telephone**

- 24 Programmable CO buttons
- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adapter\*
- Digital Extra Device Port
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT343-B** Black

**KX-DT343** White

\*Note: Bluetooth capability requires v. 5 system software



KX-DT343-B

**KX-DT333**

**24-Button, 3-Line, Back-Lit LCD Digital Telephone**

- 24 Programmable CO buttons, 4 Soft keys
- Alphanumeric Directory Search
- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adaptor\*
- Digital Extra Device Port
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT333-B** Black

**KX-DT333** White

\*Note: Bluetooth capability requires v. 5 system software



KX-DT333-B

**KX-DT321**

**8-Button, 1-Line, Back-Lit LCD Digital Telephone**

- 8 Programmable CO buttons
- Speakerphone
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT321-B** Black

**KX-DT321** White



KX-DT321-B

**KX-DT390**

**60 Key DSS Console**

- For use with KX-DT300 series phones
- Color- Black

**JENNE PART NUMBER:**

**KX-DT390-B** Black

**KX-DT390** White



KX-DT390-B

**KX-DT301**

**USB Module**

- For use with KX-DT300 series phones • Color- Black, White

**JENNE PART NUMBER:**

**KX-DT301-B** Black

**KX-DT301** White

**KX-NT303**

**12 Key IP Add-On Module**

- Attaches to the KX-NT300 and KX-DT300 series phones
- Adds and additional 12 CO keys with complete flexible programming
- Colors- Black, White

**JENNE PART NUMBER:**

**KX-NT303-B** Black

**KX-NT303** White



KX-NT303-B

**KX-NT307**

**Bluetooth Module**

- Required to make the KX-NT366, KX-NT346, KX-NT343, KX-DT343, and KX-DT346 telephones Bluetooth compatible

**JENNE PART NUMBER:**

**KX-NT307**

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**KX-NT700**

**IP Conference Phone**

- High Definition Voice Quality
- Real Time Slow-Talk Feature
- SD Card Recording
- Noise Reduction
- Power over Ethernet
- Supports up to 2 external microphones (KX-NT701)

**JENNE PART NUMBER:**

**KX-NT700**



KX-NT700

**KX-NT701**

**External Microphone**

- External Microphone
- Increases Coverage Area
- Superior Sound Quality
- Compatible w/ Panasonic KX-NT700

**JENNE PART NUMBER:**

**KX-NT701**

**DECT MULTI-CELL SYSTEM**

**KX-T0155**

**2-Channel Cell Station (CS)**

- Connects to the Hybrid Extension and Digital Extension Cards included in the main unit and the KX-TAW84870 card
- Required for Multi-Cell Wireless operation
- 2 port Cell Station unit
- Maximum of 4 per system
- Compatible with KX-TDA and KX-TDE
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**

**KX-T0155**



KX-T0155

**KX-T0156**

**4-Channel Cell Station (CS)**

- Connects to the Hybrid Extension and Digital Extension Cards included in the main unit and the KX-TAW84870 card
- 4 port Cell Station unit
- Required for Multi-Cell Wireless operation
- Maximum of 4 per system
- Compatible with KX-TDA and KX-TDE
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**

**KX-T0156**



KX-T0156

**KX-T0158**

**8 Channel Cell Station (CS)**

- Supports 8 simultaneous users
- 8 port Cell Station unit
- Required for Multi-Cell Wireless operation
- Requires 4 ports of the Digital Extension Card
- Compatible with KX-TDE line until release of KX-TDA version 5

**JENNE PART NUMBER:**

**KX-T0158**



KX-T0158

**KX-TD7696**

**Ruggedized Model 1.9MHz Multi-Cell Wireless Handset**

- Excellent for commercial industry
- Shock-resistant ruggedized design, dust and splash resistant
- Program up to 12 CO or Feature Soft Keys
- Personal Telephone Directory • Speakerphone
- 3 Reminder calls / Alarm Clock • Auto Answer
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions

**JENNE PART NUMBER:**

**KX-TD7696**



KX-TD7696

**KX-TD7695**

**Compact Model 1.9MHz Multi-Cell Wireless Handset**

- Premium Wireless Handset
- Lightweight and Compact Design
- Up to 12 CO or Feature Soft Keys can be Programmed
- Personal Telephone Directory
- Speakerphone • 3 Reminder calls / Alarm Clock
- Auto Answer • 2.5mm Headset Jack
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions
- Excellent for commercial industry

**JENNE PART NUMBER:**

**KX-TD7695**



KX-TD7695

**KX-TD7685**

**1.9MHz Multi-Cell Wireless Handset**

- Premium Wireless Handset
- Lightweight and Compact Design
- Up to 12 CO or Feature Soft Keys can be Programmed
- Personal Telephone Directory • Speakerphone
- 3 Reminder calls / Alarm Clock • Auto Answer
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions
- Excellent for commercial industry

**JENNE PART NUMBER:**

**KX-TD7685**



KX-TD7685

## KX-NCP0158

### 8 Channel DECT Cell Station and Interface Card (IP)

- 8 port Cell Station unit • Supports 8 simultaneous users
- Wireless solution for remote office communication
- Connect via Virtual IP cell station interface card
- Power supply: PoE (IEEE 802.3af) and AC adaptor
- Compatible with KX-NCP and KX-TDE systems
- Compatible with existing cell stations (KX-TDA0155/0156/0158)
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**  
**KX-NCP0158**



KX-NCP0158

## KX-WT125/126

### 1.9 GHZ Multi-Cell Wireless Handset, Entry-Level Model

- Entry level business DECT model
- Easy Menu Navigation Button
- Background Noise Reduction Technology
- 1.8 inch, White-Backlit LCD Display
- Vibrate Mode (KX-WT126 model only)
- Light weight and compact design
- Programmable soft keys • Speakerphone
- Personal telephone directory
- 3 Reminder Calls/Alarm Clock
- Auto Answer • 2.5mm Handset Jack

**JENNE PART NUMBER:**  
**KX-WT125**  
**KX-WT126**



KX-WT125

# 7700 SERIES - HYBRID SYSTEM TELEPHONES

The New 7700 Series telephones are primarily for the the KX-TA624, KX-TA1232, KX-TA824 and KX-TAW848 telephone systems. The KX-T7736 adds important features such as Backlit Displays, Name and Number Caller ID, and Navigation allowing Caller ID scrolling.

- Replaces the KX-T7000 Series Hybrid System Telephones • Replaces the KX-T7300 Series Hybrid System Telephones

#### All Models Feature:

- 12 Flexible CO keys • 12 Programmable Feature (PF) keys • Base supports 2 desk positions and wall-mount position
- Software-supported Program Key • Message Waiting/Ringer Lamp • Standard 2.5mm Headset Jack with auto handset-headset switching

## KX-T7731

### 24 Button Speakerphone Telephone with LCD Display and Backlit Keypad (1 Line Display)

- 1 Line x 16 Character Backlit LCD Display Screen • Caller ID Name/Number Compatible
- 12 Flexible CO Keys and 12 Programmable Feature Keys (PF) • Auto-Answer Speakerphone
- J-Style Handset • HEADSET/HANDSET Compatible (2.5 mm Headset Jack)
- Forward/Do-Not-Disturb • Auto Answer • Mute • Hold • Flash • Auto Redial
- Conference • Message Waiting Key/Lamp
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7731-B** Black

**KX-T7731-W** White



KX-T7731-B

## KX-T7720

### 24 Button Speakerphone Telephone

- 12 Flexible CO Keys and 12 Programmable Feature Keys (PF) • Auto-Answer Speakerphone
- J-Style Handset • HEADSET/HANDSET Compatible (2.5 mm Headset Jack)
- Forward/Do-Not-Disturb • Auto Answer • Mute • Hold • Flash • Auto Redial
- Conference • Message Waiting Key/Lamp
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7720-B** Black

**KX-T7720-W** White



KX-T7720-W

## KX-T7740

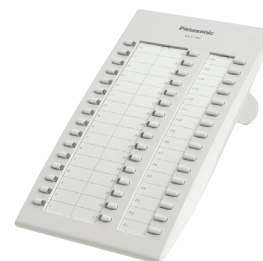
### 48 Button DSS Console

- 32 DSS/BLF Keys with LEDs • 16 DSS/BLF Keys without LEDs
- Provides Direct Station Select and Busy Lamp Fields
- 16 One-Touch Keys (Programmable for Speed Dialing or Feature Access Keys)
- For use with KX-TA1232, KX-T30810, T61610, T123211D, TA624, TAW848, TA824 and KX-T336 Systems
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7740-B** Black

**KX-T7740-W** White



KX-T7740-W

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Suitable for both home and office use, the Panasonic door phones will make sure your visitors are not left waiting, and it allows them to easily speak to whomever they need to on the premises.

### KX-T30865

#### Standard Door Phone

- Allows you to speak with gates, doors, and remote buildings. Any phone in the system can answer the intercom
- Wall Mountable • Make/receive calls
- Confirmation tone alerts the visitor that a call has been made
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones
- Colors- Black, White

**JENNE PART NUMBER:**

- KX-T30865-B**      Black  
**KX-T30865-W**      White



KX-T30865-W

### KX-T7765

#### Doorphone with Solar-Powered Luminous Button

- New high quality metallic finish • Make/receive calls
- Call button surrounded by luminous ring
- Suitable for home and office use • Wall Mountable
- Confirmation tone alerts the visitor that a call has been made
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones
- Colors- Black, White

**JENNE PART NUMBER:**

- KX-T7765**



KX-T7765

### KX-T7775

#### Premium Doorphone

- Optional interchangeable face plates that match well with almost any decor (for recessed mounting only)
- Illuminated blue button • Standard door bell control
- Two-way conversation between PBX extension phone and doorphone
- Confirmation tone alerts the visitor that a call has been made
- Make/receive calls
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System.
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones

**JENNE PART NUMBER:**

- KX-T7775**



KX-T7775

### KX-A401

#### Polished Brass Faceplate

- Designed for KX-7775

**JENNE PART NUMBER:**

- KX-A401**



KX-A401

### KX-A402

#### Brushed Stainless Steel Faceplate

- Designed for KX-7775

**JENNE PART NUMBER:**

- KX-A402**



KX-A402

**For IP-Centrex/Hosted Services and Open Source PBX Users**

Businesses large and small are discovering the proven efficiencies and cost benefits of a SIP-based communications system. A pioneer in world-class telephony technology solutions, Panasonic now offers a wide range of SIP endpoints—from feature-rich desktop models to cordless options that let you cost-effectively outfit an entire office. Engineered with extensive, intuitive provisioning options, the Panasonic line of SIP phones features plug and play simplicity to get you up and running right away.

**KX-UT113/123-B****Basic SIP Phone with 2 line LCD Display**

- 2 SIP Lines • General users/Common place • 2 Year Warranty
- High quality wideband voice (Handset, Headset & Speaker phone)
- 3-way conference call • Easy operation
- Audio Codec: G.711, G.722, G.726, G.729a
- Environmentally Friendly - Power Consumption 1W in ECO Mode

**JENNE PART NUMBER:**

- KX-UT113-B** 1-Ethernet port model: w/ PoE, No backlit LCD  
**KX-UT123-B** 2-Ethernet port model: w/ PoE, Backlit LCD



KX-UT123-B

**KX-UT133/136-B****Standard SIP Phone with Backlit LCD Display**

- High quality wideband voice (Handset, Headset and Speaker phone) • 2 Year Warranty
- 6 line LCD (UT136) and 3 line LCD (UT133) • Audio Codec: G.711, G.722, G.726, G.729a
- 3-way conference call • EHS (Electric hook switch) for Plantronics headsets • Easy operation
- 2 Ethernet ports, PoE, for Simplified Wiring and Connecting a Second Device • 4 SIP Lines
- Environmentally Friendly - Power Consumption 1W in ECO Mode • General office users

**JENNE PART NUMBER:**

- KX-UT133-B** 3-Line  
**KX-UT136-B** 6-Line



KX-UT136-B

**KX-UT670****Smart SIP Desk Phone with 7-inch Touch Screen Display and IP Camera Integration**

- High quality wideband voice (Handset, Headset, and Full Duplex Speakerphone)
- High quality video (H.264 / 720P) • 2 Year Warranty • Executives and Vertical markets
- Panasonic Network Camera Integration (16 Cameras) • 7-inch touch screen
- 2 1GbE ports, PoE, for Simplified Wiring and Connecting a Second Device
- 6 SIP Lines

**JENNE PART NUMBER:**

**KX-UT670**



KX-UT670

**KX-UT248-B**

- HD Voice and PoE enabled • 4.4 inch LCD screen • 2 GigE Ports • Full Duplex Speakerphone
- Two Data Ports for Simplified Wiring and Connecting a Second Device (select models)
- Certified for Use with BroadSoft® BroadWorks®, Digium® Asterisk®, Metaswitch, Brekeke and others
- Extensive CODEC support: G711, G722, G.726, G729a
- 2 year Limited Warranty, 6 SIP Lines
- Environmentally Friendly - Power Consumption 1W in ECO Mode

**JENNE PART NUMBER:**

**KX-UT248-B**



KX-UT248-B

**KX-TGP500****SIP Base Unit and 1 Cordless Handset**

- Support for 3 simultaneous network conversations • Wall mountable base unit
- CODEC: G.711a-law / G.711-law / G.722 (wideband) G.729a / G.726 (32K)
- DECT radio technology • Up to 6 DECT cordless handsets
- 2.1" Large LCD with white back light on cordless handset
- Support for up to 8 SIP registrations (e.g. up to 8 DID lines or extensions)
- Includes one KX-TPA50 handset • Hands-free speaker phone on cordless handset

**JENNE PART NUMBER:**

**KX-TGP500B04**



KX-TGP500B04

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**KX-TGP550**

**SIP Corded Handset Base Unit and 1 Cordless Handset**

- 2.1" Large LCD with white back light on cordless handset
- Handset call button with status indicator on base unit
- Support for 3 simultaneous network conversations
- Support for up to 8 SIP registrations (e.g. up to 8 DID lines or extensions)
- CODEC: G.711a-law / G.711-law / G.722 (wideband) G.729a/G.726 (32K)
- Up to 6 DECT cordless handsets
- Includes one KX-TPA50 handset
- Ethernet pass-through port
- DECT radio technology

**JENNE PART NUMBER:**  
**KX-TGP550T04**



KX-TGP550T04

**KX-TPA50**

**SIP Additional Cordless Handset**

- 2.1" Large LCD with white back light on cordless handset
- Bright message waiting indicator
- Soft keys
- 100 phone book memory
- 10 Last dialed numbers
- Local or network intercom
- DID specific ring tones
- 10 days stand-by and 5 hour talk time

**JENNE PART NUMBER:**  
**KX-TPA50B04**



KX-TPA50B04

**KX-NT300 SERIES IP TELEPHONES**

**KX-NT321/B**

**1-Line LCD Display IP Telephone**

- 8 Programmable Keys
- Digital Duplex Speakerphone
- 2 Ethernet Ports • Power over Ethernet
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT321-B**      Black  
**KX-NT321**        White



KX-NT321-B

**KX-NT346/B**

**6-Line Back-lit LCD Display IP Telephone**

- 24 Programmable keys
- Digital duplex speakerphones
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-NT307 adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT346-B**      Black  
**KX-NT346-W**      White



KX-NT346-B

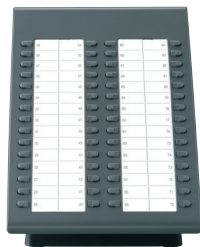
**KX-NT305/B**

**60-Key Add-On Module**

- 60 Programmable keys
- Compatible with the KX-NT346 and the KX-NT343 only
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT305-B**      Black  
**KX-NT305**        White



KX-NT305-B

**KX-NT343/B**

**3-Line Back-lit LCD Display IP Telephone**

- 24 programmable keys
- Digital duplex speakerphones
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-A239 AC power adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT343-B**      Black  
**KX-NT343**        White



KX-NT343-B

**KX-NT366/B**

**4 x 12 Button 6-Line Backlit LCD Display IP Telephone**

- 4 x 12 self-labeling, programmable keys
- Digital duplex speakerphone
- 2 ethernet ports (100Base-T)
- Power-over-ethernet (PoE) or with KX-A239 AC power adapter
- Bluetooth compatible with KX-NT307 adapter
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT366-B**      Black  
**KX-NT366**        White



KX-NT366-B

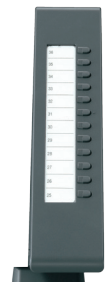
**KX-NT303/B**

**12-Key Add-On Module**

- 12 programmable keys
- Compatible with the KX-NT346 and the KX-NT343 only
- Colors: White, Black

**JENNE PART NUMBER:**

**KX-NT303-B**      Black  
**KX-NT303**        White



KX-NT303-B

**KX-A239**

**AC Adapter**

- Used for KX-NT300 Series Telephones

**JENNE PART NUMBER:**

**KX-A239**

**KX-NT400**

**IP Telephone with Color, Touch Sensitive LCD Display**

- Touchscreen LCD QVGA 5.7" 65,000 colors • Multiple Screens for Smart, Efficient Office Management
- 48 self-labeling programmable soft keys for easy call handling • SD card slot and additional USB port
- Easy Navigation Key allows fast one-touch access to multiple phone system functions
- Bluetooth Module for effortless wireless headset communication • Built in web browser
- Second Ethernet Port allows direct connection from phone to PC • Power of Ethernet (PoE)
- Monitoring Solution and Network camera integration - can register and display video feeds for up to 20 IP network cameras

**JENNE PART NUMBER:**

**KX-NT400**

**KX-A420**

**AC Adapter**

- Used for KX-NT400 Telephone

**JENNE PART NUMBER:**

**KX-A420**



KX-NT400

**KX-DT300 SERIES DIGITAL SYSTEM TELEPHONES**

**KX-DT346**

**24-Button, 6-Line, Back-Lit LCD Digital Telephone**

- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adapter\*
- Digital Extra Device Port
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT346-B** Black

**KX-DT346** White



KX-DT346-B

\*Note: Bluetooth capability requires v. 5 system software

**KX-DT343**

**24-Button, 3-Line, Back-Lit LCD Digital Telephone**

- 24 Programmable CO buttons
- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adapter\*
- Digital Extra Device Port
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT343-B** Black

**KX-DT343** White



KX-DT343-B

\*Note: Bluetooth capability requires v. 5 system software

**KX-DT333**

**24-Button, 3-Line, Back-Lit LCD Digital Telephone**

- 24 Programmable CO buttons, 4 Soft keys
- Alphanumeric Directory Search
- Digital Duplex Speakerphone
- Bluetooth compatible with KX-NT307 Adaptor\*
- Digital Extra Device Port
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT333-B** Black

**KX-DT333** White



KX-DT333-B

\*Note: Bluetooth capability requires v. 5 system software

**KX-DT321**

**8-Button, 1-Line, Back-Lit LCD Digital Telephone**

- 8 Programmable CO buttons
- Speakerphone
- Alphanumeric Directory Search
- Color-Black, White

**JENNE PART NUMBER:**

**KX-DT321-B** Black

**KX-DT321** White



KX-DT321-B

**KX-DT301**

**USB Module**

- For use with KX-DT300 series phones • Color- Black, White

**JENNE PART NUMBER:**

**KX-DT301-B** Black

**KX-DT301** White

**KX-DT390**

**60 Key DSS Console**

- For use with KX-DT300 series phones
- Color- Black

**JENNE PART NUMBER:**

**KX-DT390-B** Black

**KX-DT390** White



KX-DT390-B

**KX-NT303**

**12 Key IP Add-On Module**

- Attaches to the KX-NT300 and KX-DT300 series phones
- Adds and additional 12 CO keys with complete flexible programming
- Colors- Black, White

**JENNE PART NUMBER:**

**KX-NT303-B** Black

**KX-NT303** White



KX-NT303-B

**JENNE PART NUMBER:**

**KX-NT307**

**KX-NT307**

**Bluetooth Module**

- Required to make the KX-NT366, KX-NT346, KX-NT343, KX-DT343, and KX-DT346 telephones Bluetooth compatible

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**KX-NT700**

**IP Conference Phone**

- High Definition Voice Quality
- Real Time Slow-Talk Feature
- SD Card Recording
- Noise Reduction
- Power over Ethernet
- Supports up to 2 external microphones (KX-NT701)

**JENNE PART NUMBER:**

**KX-NT700**



KX-NT700

**KX-NT701**

**External Microphone**

- External Microphone
- Increases Coverage Area
- Superior Sound Quality
- Compatible w/ Panasonic KX-NT700

**JENNE PART NUMBER:**

**KX-NT701**

**DECT MULTI-CELL SYSTEM**

**KX-T0155**

**2-Channel Cell Station (CS)**

- Connects to the Hybrid Extension and Digital Extension Cards included in the main unit and the KX-TAW84870 card
- Required for Multi-Cell Wireless operation
- 2 port Cell Station unit
- Maximum of 4 per system
- Compatible with KX-TDA and KX-TDE
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**

**KX-T0155**



KX-T0155

**KX-T0156**

**4-Channel Cell Station (CS)**

- Connects to the Hybrid Extension and Digital Extension Cards included in the main unit and the KX-TAW84870 card
- 4 port Cell Station unit
- Required for Multi-Cell Wireless operation
- Maximum of 4 per system
- Compatible with KX-TDA and KX-TDE
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**

**KX-T0156**



KX-T0156

**KX-T0158**

**8 Channel Cell Station (CS)**

- Supports 8 simultaneous users
- 8 port Cell Station unit
- Required for Multi-Cell Wireless operation
- Requires 4 ports of the Digital Extension Card
- Compatible with KX-TDE line until release of KX-TDA version 5

**JENNE PART NUMBER:**

**KX-T0158**



KX-T0158

**KX-TD7696**

**Ruggedized Model 1.9MHz Multi-Cell Wireless Handset**

- Excellent for commercial industry
- Shock-resistant ruggedized design, dust and splash resistant
- Program up to 12 CO or Feature Soft Keys
- Personal Telephone Directory • Speakerphone
- 3 Reminder calls / Alarm Clock • Auto Answer
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions

**JENNE PART NUMBER:**

**KX-TD7696**



KX-TD7696

**KX-TD7695**

**Compact Model 1.9MHz Multi-Cell Wireless Handset**

- Premium Wireless Handset
- Lightweight and Compact Design
- Up to 12 CO or Feature Soft Keys can be Programmed
- Personal Telephone Directory
- Speakerphone • 3 Reminder calls / Alarm Clock
- Auto Answer • 2.5mm Headset Jack
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions
- Excellent for commercial industry

**JENNE PART NUMBER:**

**KX-TD7695**



KX-TD7695

**KX-TD7685**

**1.9MHz Multi-Cell Wireless Handset**

- Premium Wireless Handset
- Lightweight and Compact Design
- Up to 12 CO or Feature Soft Keys can be Programmed
- Personal Telephone Directory • Speakerphone
- 3 Reminder calls / Alarm Clock • Auto Answer
- Blue Backlit LCD Display - readable in sunlight
- Doesn't interfere with wireless transmissions
- Excellent for commercial industry

**JENNE PART NUMBER:**

**KX-TD7685**



KX-TD7685



## KX-NCP0158

### 8 Channel DECT Cell Station and Interface Card (IP)

- 8 port Cell Station unit • Supports 8 simultaneous users
- Wireless solution for remote office communication
- Connect via Virtual IP cell station interface card
- Power supply: PoE (IEEE 802.3af) and AC adaptor
- Compatible with KX-NCP and KX-TDE systems
- Compatible with existing cell stations (KX-TDA0155/0156/0158)
- Works with KX-TD7685, KX-TD7695, KX-TD7696 or KX-WT125/126

**JENNE PART NUMBER:**  
**KX-NCP0158**



KX-NCP0158

## KX-WT125/126

### 1.9 GHZ Multi-Cell Wireless Handset, Entry-Level Model

- Entry level business DECT model
- Easy Menu Navigation Button
- Background Noise Reduction Technology
- 1.8 inch, White-Backlit LCD Display
- Vibrate Mode (KX-WT126 model only)
- Light weight and compact design
- Programmable soft keys • Speakerphone
- Personal telephone directory
- 3 Reminder Calls/Alarm Clock
- Auto Answer • 2.5mm Handset Jack

**JENNE PART NUMBER:**  
**KX-WT125**  
**KX-WT126**



KX-WT125

# 7700 SERIES - HYBRID SYSTEM TELEPHONES

The new 7700 Series telephones are primarily for the the KX-TA624, KX-TA1232, KX-TA824 and KX-TAW848 telephone systems. The KX-T7736 adds important features such as Backlit Displays, Name and Number Caller ID, and Navigation allowing Caller ID scrolling.

- Replaces the KX-T7000 Series Hybrid System Telephones • Replaces the KX-T7300 Series Hybrid System Telephones

#### All Models Feature:

- 12 Flexible CO keys • 12 Programmable Feature (PF) keys • Base supports 2 desk positions and wall-mount position
- Software-supported Program Key • Message Waiting/Ringer Lamp • Standard 2.5mm Headset Jack with auto handset-headset switching

## KX-T7731

### 24 Button Speakerphone Telephone with LCD Display and Backlit Keypad (1 Line Display)

- 1 Line x 16 Character Backlit LCD Display Screen • Caller ID Name/Number Compatible
- 12 Flexible CO Keys and 12 Programmable Feature Keys (PF) • Auto-Answer Speakerphone
- J-Style Handset • HEADSET/HANDSET Compatible (2.5 mm Headset Jack)
- Forward/Do-Not-Disturb • Auto Answer • Mute • Hold • Flash • Auto Redial
- Conference • Message Waiting Key/Lamp
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7731-B** Black

**KX-T7731-W** White



KX-T7731-B

## KX-T7720

### 24 Button Speakerphone Telephone

- 12 Flexible CO Keys and 12 Programmable Feature Keys (PF) • Auto-Answer Speakerphone
- J-Style Handset • HEADSET/HANDSET Compatible (2.5 mm Headset Jack)
- Forward/Do-Not-Disturb • Auto Answer • Mute • Hold • Flash • Auto Redial
- Conference • Message Waiting Key/Lamp
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7720-B** Black

**KX-T7720-W** White



KX-T7720-W

## KX-T7740

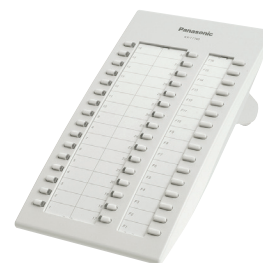
### 48 Button DSS Console

- 32 DSS/BLF Keys with LEDs • 16 DSS/BLF Keys without LEDs
- Provides Direct Station Select and Busy Lamp Fields
- 16 One-Touch Keys (Programmable for Speed Dialing or Feature Access Keys)
- For use with KX-TA1232, KX-T30810, T61610, T123211D, TA624, TAW848, TA824 and KX-T336 Systems
- Colors: White, Matte Black

#### JENNE PART NUMBER:

**KX-T7740-B** Black

**KX-T7740-W** White



KX-T7740-W

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Suitable for both home and office use, the Panasonic door phones will make sure your visitors are not left waiting, and it allows them to easily speak to whomever they need to on the premises.

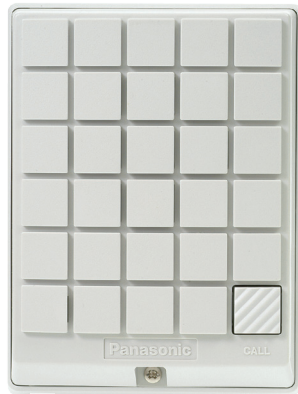
### KX-T30865

#### Standard Door Phone

- Allows you to speak with gates, doors, and remote buildings. Any phone in the system can answer the intercom
- Wall Mountable • Make/receive calls
- Confirmation tone alerts the visitor that a call has been made
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones
- Colors- Black, White

**JENNE PART NUMBER:**

- KX-T30865-B**      Black  
**KX-T30865-W**      White



KX-T30865-W

### KX-T7765

#### Doorphone with Solar-Powered Luminous Button

- New high quality metallic finish • Make/receive calls
- Call button surrounded by luminous ring
- Suitable for home and office use • Wall Mountable
- Confirmation tone alerts the visitor that a call has been made
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones
- Colors- Black, White

**JENNE PART NUMBER:**

- KX-T7765**



KX-T7765

### KX-T7775

#### Premium Doorphone

- Optional interchangeable face plates that match well with almost any decor (for recessed mounting only)
- Illuminated blue button • Standard door bell control
- Two-way conversation between PBX extension phone and doorphone
- Confirmation tone alerts the visitor that a call has been made
- Make/receive calls
- Doorphone will allow you to ring one or all of your phones on your Panasonic Telephone System.
- When connect to a contact closure you may also open the door from one of your Panasonic Telephones

**JENNE PART NUMBER:**

- KX-T7775**



KX-T7775

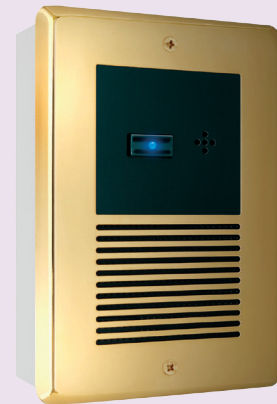
### KX-A401

#### Polished Brass Faceplate

- Designed for KX-7775

**JENNE PART NUMBER:**

- KX-A401**



KX-A401

### KX-A402

#### Brushed Stainless Steel Faceplate

- Designed for KX-7775

**JENNE PART NUMBER:**

- KX-A402**



KX-A402

## HHR-P301A\*

### Cordless Battery

- Cordless Telephone Battery Type 2
- 3.6 V • 300 mAh • Ni-Cd • 2/3 AA • 3 Cells
- For: KX-T3807, KX-TCM424, KX-T3850, KX-T3945, KX-TC150, KX-T4342, KX-T3823, KX-TCM440-B, KX-T3855, KX-T3950, KX-TC155, KX-T4350, KX-T3824, KX-T3610, KX-T3860, KX-T3960, KX-TC157, KX-T4360, plus more

**JENNE PART NUMBER:**

**HHR-P301A**

\* Replaces P-P301PA.



HHR-P301A

## P-P510A/1B\*

### Cordless Battery

- Cordless Telephone Battery Type 21
- 3.6 V • 1000 mAh • Ni-Cd • AA • 3 Cells
- For: KX-TG2401, KX-TG2403, KX-TG2451, KX-TG2481, KX-TG2501, KX-TG2502, KX-TG2503, KX-TG2506, KX-TG2551, KX-TG2552, KX-TG2553, KX-TG2559, KX-TG2562, KX-TG2563, KX-TG2564, KX-TG2581, KX-TG2583

**JENNE PART NUMBER:**

**P-P510A/1B**

\* Replaces HHR-P505A/1B.



P-P510A

## P-P305A

### Cordless Battery

- Replacement Battery for most KX-TC1000 Series Phones, Type 14
- 2.4 V • 300 mAh • Ni-Cd
- 2/3 AA • 2 Cells
- For: KX-TC1000B, KX-TC1001W, KX-TC1040W

**JENNE PART NUMBER:**

**P-P305A**



P-P305PA

## HHR-4DPA

### Cordless Battery

- NiMH 700 • mAh/1.2V
- For: KX-TG823X, KX-TG63XX, KX-TG93XX, KX-TG43XX, KX-TH1211/12, KX-TGA101/430/630/930/935 Phones

**JENNE PART NUMBER:**

**HHR-4DPA**



HHR-4DPA

## HHR-P501A\*

### Cordless Battery

- Cordless Telephone Battery Type 1
- 3.6 V • 600 mAh • Ni-Cd
- AA • 3 Cells
- For: KX-T3825, KX-TC934B, KX-TC1403B, KX-TC1481B, KX-TC1711B, KX-TC1743

**JENNE PART NUMBER:**

**HHR-P501A**

\* Replaces P-P501PA.



HHR-P501A/1B, P-P501PA

## HHR-P104A

### Cordless Battery

- Cordless Telephone Battery Type TIPO
- 3.6 V • 830 mAh • Ni-MH • AA • 3 Cells
- For: KX-FPG391, TG2300 Series, TG2336, TG2343, TG2344, TG2346, TG2355, TG2356, TG2357, TG2386, TG5050, TG5055, TG5200, TG5202, TG5210, TG5212, TG5213, TG5230, TG5240, TG6500, TG6502, TGA520, TGA523, TGA650

**JENNE PART NUMBER:**

**HHR-P104A**



HHR-P104A

## HHR-P402A

### Cordless Battery

- Cordless Telephone Battery Type TIPO
- 3.6 V • 830 mAh • NiMH • AA
- 3 Cells • Replaces P-P511A
- For: KX-TG2205, KX-TG2215, KX-TG2217, KX-TG2227, KX-TG2237, KX-TG2239, KX-TG2247, KX-TG2257, KX-TG2267, KX-TG2287, KX-TG2700S, KX-TG2720S, KX-TG2730S, KX-TG2740S, KX-TG5100M, KX-TG5110M, KX-TGA510M and KX-TGA270S

**JENNE PART NUMBER:**

**HHR-P402A**



HHR-P402A

## HHR-P105A

### Cordless Battery

- 2.4-Volt 0.83 Amp NiMH Cordless battery
- Type 31 • 2.4 V
- 830 mAh
- For: KX-TG2411, KX-TG2420, KX-TG2421, KX-TG2422, KX-TG2424, KX-TG2431, KX-TG2432

**JENNE PART NUMBER:**

**HHR-P105A**



HHR-P105A

**HHR-P592A/1B\***

**Cordless Battery**

- Replacement Battery for KX-T9500 and some TC900 series phones, Type 92
- 3.6 V • 600 mAh • Ni-Cd • AA • 3 Cells
- For: KX-TC914, KX-TCC912, KX-TCS970, KX-TC900B, KX-TC909, KX-TC910B, KX-TCC902, KX-CC942, KX-TC900, KX-TC900W, KX-TC910, KX-TC910DB, KX-TC919

**JENNE PART NUMBER:**

**HHR-P592AP-1B**

\* Replaces P-P592.



HHR-P592A

**HHR-P103A**

**Cordless Battery**

- Cordless Telephone Battery Type 25
- 3.6 V • 700 mAh
- NiMH
- AAA
- 3 Cells
- For: KX-TGA271, KX-TGA272

**JENNE PART NUMBER:**

**HHR-P103A**



HHR-P103A

**HHR-P401A**

**Cordless Battery**

- Cordless Telephone Battery Type 16
- 3.6 V • 1150 mAh • NiMH
- 4/5 AA • 3 Cells
- For: KX-TG2397, KX-TG2500, KX-TG2560, KX-TG2400B, KX-TG2550, KX-TG2570

**JENNE PART NUMBER:**

**HHR-P401A**



HHR-P401A

**HHR-P505A\***

**Cordless Battery**

- Cordless Telephone Battery Type 13
- 3.6 V • 1300 mAh • NiMH
- AA • 3 Cells
- For: KX-TG210ALB, KX-TG200ALB, KX-TG200CB, KX-TGM240B

**JENNE PART NUMBER:**

**HHR-P505A**

\* Replaces P-P508A/1B.



HHR-P505A

**HHR-P506A**

**Cordless Battery**

- Cordless Telephone Battery Type 17
- 2.4 V • 1500 mAh • NiMH
- AA • 2 Cells
- For: KX-TG2000B, KX-TG4000B, KX-TGA200B, KX-TGA400B

**JENNE PART NUMBER:**

**HHR-P506A**



HHR-P506A

**HHR-P509A**

**Cordless Battery**

- Replacement battery for 2.4 GHz GigaRange Elite Telephones
- 2.4 V • 1500 mAh • NiMH
- AA • 2 Cells
- For: KX-TG2650N, KX-TG2670N, KX-TG2680N

**JENNE PART NUMBER:**

**HHR-P509A**



HHR-P509A

**HHR-P513A**

**Cordless Battery**

- Replacement battery for 2.4 GHz GigaRange Digital Cordless Telephones
- 2.4 V • 1500 mAh
- NiMH • AA • 2 Cells
- For: KX-TG2208, KX-TG2214, KX-TG2224, KX-TG2235, KX-TG2238, KX-TG2248, KX-TG2258

**JENNE PART NUMBER:**

**HHR-P513A**



HHR-P513A

## KX-TG4013N

### Expandable Digital Cordless Phone with 3 Handsets

- DECT 6.0 Plus Technology • Intercom (Handset-Handset)
- Light-up Indicator with Ringer/Charge Alert
- Expandable to 6 Handsets • Up to 4-Way Conference Capability
- Call Waiting Caller ID • Handset Locator • Intelligent Eco Mode

#### JENNE PART NUMBER:

- KX-TG4011-N** 1 Handset
- KX-TG4012-N** 2 Handsets
- KX-TG4013-N** 3 Handsets



KX-TG4013-N

## KX-TG9322T

### 2-Line Expandable Digital Cordless Phone with 2 Handsets

- DECT 6.0 Technology • 2-Line Operation • Silent Mode
- White Backlit LCD on Handset • Expandable to 6 Handsets
- Ringer ID • Up to 3-Way Conference Capability
- Light-up Indicator with Ringer/Charge Alert
- Lighted Handset Keypad • Speakerphone on Handset

#### JENNE PART NUMBER:

- KX-TG9321-T** 1 Handset
- KX-TG9322-T** 2 Handsets
- KX-TGA939-T** Additional Handset



KX-TG9322-T

# DECT 6.0 LINK-TO-CELL BLUETOOTH® CONVERGENCE

## Use your cell phone as your home phone with the Bluetooth®-powered Panasonic Link-to-Cell

The experience of using your cell phone at home has just been made even better with the Panasonic Link-to-Cell, powered by Bluetooth. The combination of Bluetooth power and Panasonic technology gives you the freedom of your cell and the comfort of extension phones in your own home. By connecting your cell phone to the Bluetooth-powered Panasonic Link-to-Cell, you can make or receive calls on all Panasonic-compatible handsets – in whichever room you happen to be. The Panasonic Link-to-Cell improves on short cell phone battery life, reduces the need for carrying the cell phone around with you and eliminates cell phone reception problems in your home.

## KX-TG7645M

### Link-to-Cell Bluetooth® Cellular Convergence Solution with 5 Handsets

- Link up to 2 Cell Phones • Bluetooth Headset Capability • Phonebook Copy from Cellular Phone via Bluetooth
- DECT 6.0 Plus Technology • All-Digital Answering System
- Power Back-Up Operation (Handset) • Reversible Handset Design
- Hands-Free Speakerphone on Base & Handset • Smart Wall Mount
- Talking Caller ID • Dial Keypad on Base • Intelligent Eco Mode
- Range Boost • Tone Equalizer • Call Block • Silent Mode

#### JENNE PART NUMBER:

- KX-TG7642-M** 2 Handsets
- KX-TG7643-M** 3 Handsets
- KX-TG7644-M** 4 Handsets
- KX-TG7645-M** 5 Handsets
- KX-TGA660-M** Additional Handset



KX-TG7645-M

## KX-TG7623B

### Link-to-Cell Bluetooth® Cellular Convergence Solution with 3 Handsets

- Link up to 2 Cell Phones • Bluetooth Headset Capability • Call Block • Silent Mode
- Phonebook Copy from Cellular Phone via Bluetooth • DECT 6.0 Plus Technology
- Talking Caller ID • All-Digital Answering System • Message Counter on Base
- Intelligent Eco Mode • Tone Equalizer • Amber Backlit LCD on Handset

#### JENNE PART NUMBER:

- KX-TG7622-B** 2 Handsets
- KX-TG7623-B** 3 Handsets
- KX-TGA410-B** Additional Handset



KX-TG7623-B

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**KX-TG7733S**

**Link-to-Cell Bluetooth® Cellular Convergence Solution with 3 Handsets**

- Phonebook Copy from Cellular Phone via Bluetooth • Call Block
- DECT 6.0 Plus Technology • Talking Caller ID • Tone Equalizer
- Large, 1.8" White Backlit Handset Display • Link up to 2 Cell Phones
- Bright, LED Light-Up Indicator • Bluetooth Headset Capability
- Easy-to-use Big Buttons with Simple Keypad Layout
- Amplified Handset Volume with Dedicated Volume Key
- Intelligent Eco Mode • All-Digital Answering System • Silent Mode

**JENNE PART NUMBER:**

- KX-TG7731-S** 1 Handset
- KX-TG7732-S** 2 Handsets
- KX-TG7733-S** 3 Handsets
- KX-TGA470-S** Additional Handset



KX-TG7733-S

**KX-TG7745S**

**Link-to-Cell Bluetooth® Cellular Convergence Solution with 5 Handsets**

- Link up to 2 Cell Phones • Bluetooth Headset Capability
- Phonebook Copy from Cellular Phone via Bluetooth • Call Block
- DECT 6.0 Plus Technology • Talking Caller ID • Dial Keypad on Base
- Large, 1.8" White Backlit Handset Display • Intelligent Eco Mode
- Bright, LED Light-Up Indicator • All-Digital Answering System
- Easy-to-use Big Buttons with Simple Keypad Layout • Tone Equalizer
- Amplified Handset Volume with Dedicated Volume Key

**JENNE PART NUMBER:**

- KX-TG7741-S** 1 Handset
- KX-TG7742-S** 2 Handsets
- KX-TG7743-S** 3 Handsets
- KX-TG7745-S** 5 Handsets
- KX-TGA470-S** Additional Handset



KX-TG7745-S

**DECT 6.0 EXPANDABLE DIGITAL ANSWERING SYSTEMS**

**KX-TG4025N**

**Expandable Digital Cordless Answering System with 5 Handsets**

- DECT 6.0 Plus Technology • Intelligent Eco Mode • Handset Locator
- Light-up Indicator with Ringer/Charge Alert • Intercom (Handset-Handset)
- Expandable to 6 Handsets • All-Digital Answering System
- Up to 4-Way Conference Capability • Call Waiting Caller ID

**JENNE PART NUMBER:**

- KX-TG4021-N** 1 Handset
- KX-TG4022-N** 2 Handsets
- KX-TG4023-N** 3 Handsets
- KX-TG4024-N** 4 Handsets
- KX-TG4025-N** 5 Handsets



KX-TG4024-N

**KX-TG1062M**

**Expandable Digital Cordless Answering System with 2 Handsets**

- DECT 6.0 Technology means less interference
- Call Block • Silent Mode
- Base unit works during power outage
- Expandable up to 6 Handsets
- All-Digital Answering System
- Up to 3-way Conference Capability
- Ringer ID • Light-up Indicator with Ringer/Charge Alert
- Lighted Handset Keypad
- Speakerphone on Handset and Base
- Call Waiting on Caller ID
- Handset Locator • Handset Intercom

**JENNE PART NUMBER:**

- KX-TG1061-M** Expandable Digital Cordless Answering System with 1 Handsets
- KX-TG1062-M** Expandable Digital Cordless Answering System with 2 Handsets
- KX-TGA106-M** Additional Handset



KX-TG1061-M



KX-TG1062-M

## KX-TG4734B

### Expandable Digital Cordless Answering System with 4 Handsets

- DECT 6.0 Plus Technology • Talking Caller ID • Intelligent Eco Mode
- Large, 1.8" White Backlit Handset Display • Bright, LED Light-Up Indicator
- Easy-to-use Big Buttons with Simple Keypad Layout • Tone Equalizer
- Amplified Handset Volume with Dedicated Volume Key
- All-Digital Answering System • Ringer ID • Call Block • Silent Mode
- Message Counter on Base • Up to 4-Way Conference Capability

#### JENNE PART NUMBER:

- KX-TG4731-B** 1 Handset
- KX-TG4732-B** 2 Handsets
- KX-TG4733-B** 3 Handsets
- KX-TG4734-B** 4 Handsets
- KX-TGA470-B** Additional Handset



KX-TG4734-B

## KX-TG4753B

### Expandable Digital Cordless Answering System with 3 Handsets

- DECT 6.0 Plus Technology • Talking Caller ID • Intelligent Eco Mode
- Large, 1.8" White Backlit Handset Display • Bright, LED Light-Up Indicator
- Easy-to-use Big Buttons with Simple Keypad Layout • Call Block
- Amplified Handset Volume with Dedicated Volume Key • Silent Mode
- All-Digital Answering System • Message Counter on Base
- Tone Equalizer • Ringer ID • Up to 4-Way Conference Capability

#### JENNE PART NUMBER:

- KX-TG4753-B** 3 Handset



KX-TG4753-B

## KX-TG4745B

### Expandable Digital Cordless Answering System with 5 Handsets

- DECT 6.0 Plus Technology • Talking Caller ID • Bright, LED Light-Up Indicator
- Large, 1.8" White Backlit Handset Display • Intelligent Eco Mode
- Easy-to-use Big Buttons with Simple Keypad Layout • Tone Equalizer
- Amplified Handset Volume with Dedicated Volume Key • Call Block
- Big Button Dial Keypad on Base • All-Digital Answering System
- Silent Mode • Ringer ID • Up to 4-Way Conference Capability

#### JENNE PART NUMBER:

- KX-TG4741-B** 1 Handset
- KX-TG4742-B** 2 Handsets
- KX-TG4743-B** 3 Handsets
- KX-TG4744-B** 4 Handsets
- KX-TG4745-B** 5 Handsets
- KX-TGA470-B** Additional Handset



KX-TG4745-B

## KX-TG6672B

### Digital Answering System with 1 Corded and 2 Cordless Handsets

- DECT 6.0 Plus Technology • Power Back-Up Operation (Base Unit) • Talking Caller ID
- Intelligent Eco Mode • 5-Number Speed Dial Console (Base Unit) • Tone Equalizer
- Hands-Free Speakerphone on Base & Handset • Non-Slip Handset Design • Silent Mode
- Up to 4-Way Conference Capability • All-Digital Answering System • Call Block

#### JENNE PART NUMBER:

- KX-TG6671-B** 1 Corded and 1 Cordless Handset
- KX-TG6672-B** 1 Corded and 2 Cordless Handset
- KX-TGA660-B** Additional Handset



KX-TG6672-B

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**KX-TG6645B**

**Expandable Digital Cordless Answering System with 5 Handsets**

- DECT 6.0 Plus Technology • Power Back-Up Operation (Handset) • Talking Caller ID • Ringer ID
- Intelligent Eco Mode • Range Boost • Reversible Handset Design • Smart Wall Mount
- Tone Equalizer • Hands-Free Speakerphone on Base & Handset • Call Block • Silent Mode
- White Backlit LCD on Handset • Non-Slip Handset Design
- Up to 4-Way Conference Capability

**JENNE PART NUMBER:**

- KX-TG6641-B** 1 Handset
- KX-TG6643-B** 3 Handsets
- KX-TG6644-B** 4 Handsets
- KX-TG6645-B** 5 Handsets
- KX-TGA660-B** Additional Handset



KX-TG6645-B

**KX-TG6592T**

**Expandable Digital Cordless Answering System with 2 Handsets**

- DECT 6.0 Plus Technology • Talking Caller ID • Intelligent Eco Mode
- Tone Equalizer • Easy-to-See LCD with Big Buttons
- Speed Dial on Base & Handset
- Hands-Free Speakerphone on Base & Handset
- Call Block • Silent Mode • White Backlit LCD on Handset
- Non-Slip Handset Design • Ringer ID
- Up to 4-Way Conference Capability
- Expandable to 6 Handsets

**JENNE PART NUMBER:**

- KX-TG6591-T** 1 Handset
- KX-TG6592-T** 2 Handsets
- KX-TGA659-T** Additional Handset



KX-TG6592-T

**KX-TG6572R**

**Expandable Digital Cordless Answering System with 2 Handsets**

- DECT 6.0 Plus Technology • Talking Caller ID
- Intelligent Eco Mode • Call Block • Expandable to 6 Handsets
- Silent Mode • Amber Backlit LCD on Handset
- All-Digital Answering System • Ringer ID
- Up to 4-Way Conference Capability • Handset Locator
- Light-up Indicator with Ringer/Charge Alert
- Intercom (Handset-Handset) • Call Waiting Caller ID

**JENNE PART NUMBER:**

- KX-TG6572-R** 2 Handsets, Wine Red
- KX-TGA651-B** Additional Handset



KX-TG6572-R



**KX-TG6533B**

**Expandable Digital Cordless Answering System with 3 Handsets**

- DECT 6.0 Plus Technology • Talking Caller ID
- Intelligent Eco Mode • Smart Wall-Mount
- Non-Slip Handset Design • Call Block • Silent Mode
- White Backlit LCD on Handset
- Expandable to 6 Handsets • Ringer ID
- All-Digital Answering System
- Up to 4-Way Conference Capability

**JENNE PART NUMBER:**

- KX-TG6532-B** 2 Handsets
- KX-TG6533-B** 3 Handsets
- KX-TGA660-B** Additional Handset



KX-TG6533-B

**KX-TG6513B**

**Expandable Digital Cordless Phone System with 3 Handsets**

- DECT 6.0 Plus Technology • Intelligent Eco Mode
- Smart Wall-Mount • Non-Slip Handset Design
- White Backlit LCD on Handset
- Call Block • Silent Mode • Ringer ID
- Expandable to 6 Handsets
- Up to 4-Way Conference Capability
- Light-up Indicator with Ringer/Voice Mail Alert
- Call Waiting Caller ID

**JENNE PART NUMBER:**

- KX-TG6511-B** 1 Handset
- KX-TG6512-B** 2 Handsets
- KX-TG6513-B** 3 Handsets
- KX-TGA651-B** Additional Handset



KX-TG6513-B

**KX-TG9392T**

**2-Line Expandable Digital Corded/Cordless Answering System with 2 Handsets**

- DECT 6.0 Technology • 2-Line Operation
- Corded Cordless Handset
- Power Back-Up Operation (Line 1 only)
- Expandable up to 6 Handsets
- 40 Minute Digital Answering System
- White Backlit LCD on Handset and Base
- Ringer ID • Silent Mode
- Light-up Indicator with Ringer/Message Alert

**JENNE PART NUMBER:**

- KX-TG9391-T** 1 Handset
- KX-TG9392** 2 Handsets
- KX-TGA939-T** Additional Handset



KX-TG9392-T

**KX-TG9382T**

**2-Line DECT 6.0 Expandable Digital Cordless Answering System with 2 Handsets**

- DECT 6.0 Technology • Bluetooth Headset
- Phonebook Transfer from Cell Phone via Bluetooth
- Silent Mode • Ringer ID • Handset Locator
- 40-Minute All-Digital Answering System
- White Backlit LCD on Handset & Base
- Intercom (Handset-Handset/Handset-Base)
- Light-up Indicator with Ringer/Message Alert
- Call Waiting Caller ID

**JENNE PART NUMBER:**

- KX-TG9381-T** 1 Handset
- KX-TG9382-T** 2 Handsets
- KX-TGA939-T** Additional Handset



KX-TG9382-T

Handset Model Number	For Use with these Panasonic Base Unit Series (Example: KX-TG7530 applies to KX-TG7531, 7532, 7533, etc.)						
KX-TGA120	KX-TG6640	KX-TG6630	KX-TG6590	KX-TG4130			
KX-TGA230	KX-TG2350	KX-TG2380					
KX-TGA270	KX-TG2700	KX-TG2720	KX-TG2730	KX-TG2740	KX-TG2750	KX-TG2770	KX-FPG381
KX-TGA271	KX-TG2700	KX-TG2720	KX-TG2730	KX-TG2740	KX-TG2750	KX-TG2770	KX-FPG381
KX-TGA272	KX-TG2700	KX-TG2720	KX-TG2730	KX-TG2740	KX-TG2750	KX-TG2770	KX-FPG381
KX-TGA273	KX-TG2700	KX-TG2720	KX-TG2730	KX-TG2740	KX-TG2750	KX-TG2770	KX-FPG381
KX-TGA300	KX-TG3020	KX-TG3030					
KX-TGA401	KX-TG4010	KX-TG4020	KX-TG4030	KX-TG4050	KX-TG4070	KX-TG6510	KX-TG6520
	KX-TG6530	KX-TG6540	KX-TG7530	KX-TG6570			
KX-TGA410	KX-TG7640	KX-TG7620	KX-TG6640	KX-TG6630	KX-TG6590	KX-TG4130	
KX-TGA430	KX-TG4310	KX-TG4320					
KX-TGA450	KX-TG4500						
KX-TGA470	KX-TG4730	KX-TG4740	KX-TG4750	KX-TG4770	KX-TG7730	KX-TG4740	
KX-TGA510	KX-TG5100	KX-TG5110					
KX-TGA520	KX-TG5200	KX-TG5210	KX-TG5230	KX-TG5240			
KX-TGA523	KX-TG5200	KX-TG5210	KX-TG5230	KX-TG5240			
KX-TGA550	KX-TG5560	KX-TG5570	KX-TG5580				
KX-TGA551	KX-TG5560	KX-TG5570	KX-TG5580				
KX-TGA552	KX-TG5560	KX-TG5570	KX-TG5580				
KX-TGA560	KX-TG5620	KX-TG5630	KX-TG5650	KX-TG5670			
KX-TGA570	KX-TG5760	KX-TG5770					
KX-TGA571	KX-TG5760	KX-TG5770					
KX-TGA572	KX-TG5760	KX-TG5770					
KX-TGA573	KX-TG5760	KX-TG5770					
KX-TGA575	KX-TG5760	KX-TG5770					
KX-TGA600	KX-TG6020	KX-TG6050	KX-TG6070				
KX-TGA630	KX-TG6310	KX-TG9330	KX-TG9340	KX-TG9360	KX-TG9370		
KX-TGA641	KX-TG6410	KX-TG6420	KX-TG6430	KX-TG6440	KX-TG7430		
KX-TGA650	KX-TG6500	KX-FG6550					
KX-TGA651	KX-TG4010	KX-TG4020	KX-TG4030	KX-TG4050	KX-TG4070	KX-TG6510	KX-TG6520
	KX-TG6530	KX-TG6540	KX-TG6580	KX-TG7530	KX-TG6572		
KX-TGA659	KX-TG6640	KX-TG6630	KX-TG6590	KX-TG4130			
KX-TGA660	KX-TG7640	KX-TG7620	KX-TG6640	KX-TG6630	KX-TG6590	KX-TG4130	
KX-TGA740	KX-TG6410	KX-TG6420	KX-TG6430	KX-TG6440	KX-TG7430		
KX-TGA750	KX-TG4010	KX-TG4020	KX-TG4030	KX-TG4050	KX-TG4070	KX-TG6510	KX-TG6520
	KX-TG6530	KX-TG6540	KX-TG7530	KX-TG6572			
KX-TGA820	KX-TG8230						
KX-TGA930	KX-TG6310	KX-TG9330	KX-TG9340	KX-TG9360	KX-TG9370	KX-TH1200	KX-TH1210
KX-TGA935	KX-TG6310	KX-TG9330	KX-TG9340	KX-TG9360	KX-TG9370	KX-TH1200	KX-TH1210

## KX-TG4500B

### 4-Line 5.8 GHz FHSS GigaRange® Multi-Handset Cordless Phone System

- 5.8 GHz Frequency Hopping Spread Spectrum (FHSS) Technology
- 4-Line Operation • Expandable up to 8 Cordless Handset Stations
- All-Digital Voicemail System with Automated Attendant
- Up to 8 Individual Mailboxes with Separate Greeting Messages
- 100-Minute Total Recording Time • Time/Date Stamp
- Remote Access with Voice Prompts
- Call Transfer, Message Transfer, Deliver Message and Auto Message Delete
- Call Waiting Caller ID
- 50-Station Caller ID Memory and Dialer
- 100-Station Phone Directory and Dialer

**JENNE PART NUMBER:**

- KX-TG4500-B** 4-Line Phone System
- KX-TGA450-B** Additional Handset



KX-TGA450-B

KX-TG4500-B

The Panasonic KX-TG4500 series operates via cordless transmissions, so no expensive wiring or installation is required.

The system is expandable up to 8 handsets that can be added right away or over time as your needs grow. It's that simple!



KX-4500 System

# 4-LINE INTEGRATED CORDED PHONE SYSTEMS

## KX-TS4300B

### 4-Line Integrated Phone System (Expandable up to 16 Stations) with Call Waiting Caller ID, Speakerphone and 60 Minute Answering System

- 4-Line Operation • Up to 3-Way Conferencing Capability
- Intercom System (Expandable up to 16 Stations)
- All-Digital Answering System with Automated Attendant (Max. 60 Min.)
- Call Waiting Caller ID • Caller ID Memory • Phonebook • Chain Dial
- 24-Digit Per Station Dialer Storage Capacity

**JENNE PART NUMBER:**

- KX-TS4300-B**



KX-TS4300-B

## KX-TS4200B

### 4-Line Integrated Phone System (Expandable up to 16 Stations) with Call Waiting Caller ID and Speakerphone

- 4-Line Operation • Intercom System (Expandable up to 16 Stations)
- Up to 3-Way Conference Capability • Speakerphone • Chain Dial
- Call Waiting Caller ID • Caller ID Memory • Phonebook
- 24-Digit Per Station Dialer Storage Capacity
- 32 One-Touch Memory Buttons

**JENNE PART NUMBER:**

- KX-TS4200-B**



KX-TS4200-B

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**KX-TS4100B**

**4-Line Integrated Phone System (Expandable up to 16 Stations) with Speakerphone**

- 4-Line Operation • Intercom System (Expandable up to 16 Stations)
- Up to 3-Way Conference Capability • Speakerphone
- 32 One-Touch Memory Buttons • Easy Operation (Menu Driven)
- Power Back-Up Operation (Requires Battery)
- Base Unit Dial Keypad • Hold, Mute, Flash and Redial Buttons

**JENNE PART NUMBER:**

**KX-TS4100-B**



KX-TS4100-B

**3-LINE INTEGRATED CORDED PHONE SYSTEM**

**KX-TS620B/W**

**Integrated Telephone Answering System**

- All-Digital Answering System
- 2-Way Recording • Speakerphone
- Call Waiting Caller ID
- 3 One-Touch Memory Buttons
- 3-Line Dot LCD • Ringer Indicator (LED)
- Redial (Last 20 numbers Dialed)
- Electronic Volume Controls for Speakerphone (8-Step) and Handset (4-Step)
- Wall Mountable

**JENNE PART NUMBER:**

**KX-TS620-B** Black

**KX-TS620-W** White



KX-TS620-B

**2-LINE INTEGRATED CORDED PHONE SYSTEMS**

**KX-TS3282B/W**

**2-Line Integrated Telephone System with Intercom**

- 2-line corded speakerphone with adjustable volume control
- Flexible numbering for up to 8 optional extensions
- Caller ID/call waiting with 50 name-and-number memory
- Redial, speed dialing, mute, hold, call transfer, and more
- Head-set jack, wall mountable

**JENNE PART NUMBER:**

**KX-TS3282-B** Black

**KX-TS3282-W** White



KX-TS3282-B

**KX-TS208W**

**2-Line Integrated Telephone System 16-Digit LCD with Clock**

- 2-line corded business phone with built-in data port
- 3-way conferencing plus speakerphone
- 10-station one-touch dialer
- Wall-mountable, headset jack, and belt-clip
- Flash, hold, pause, mute, and dial lock functions

**JENNE PART NUMBER:**

**KX-TS208-W** White



KX-TS208-W

## KX-TS105B/W

### Integrated Telephone System

- Hands-Free Speakerphone • 20 One-Touch Dialer Stations
- 10-Station Speed Dialer • Hands-Free Headset Compatible
- Electronic Volume Controls for Speakerphone (8-Step), Handset and Headset (4-Step)
- 3-Step Ringer Volume Control
- Programmable Call Restriction
- Data Port • Dial Lock

#### JENNE PART NUMBER:

- KX-TS105-B** Black  
**KX-TS105-W** White



KX-TS105-B

## KX-TS550B/W

### Integrated Telephone System

- 10-Station Speed Dialer • 2 One-Touch Dialer Stations
- Electronic Handset Volume Control (6-Step)
- 3-Step Ringer Selector (Off/Low/High)
- Emergency Button • Wall Mountable
- Switchable Tone/Pulse • Flash
- Last Number Redial

#### JENNE PART NUMBER:

- KX-TS550-B** Black  
**KX-TS550-W** White



KX-TS550-B

## KX-TSC11B/W

### Integrated Telephone System

- 50-Station Caller ID Memory and Dialer
- 50-Station Phonebook and Dialer • Call Waiting
- Phone Company Voice Mail Compatible (FSK Compatible)
- Programmable Call Restriction
- 3-Step Ringer Volume Control
- Switchable Tone/Pulse Setting
- Chain Dial

#### JENNE PART NUMBER:

- KX-TSC11-B** Black  
**KX-TSC11-W** White



KX-TSC11-W

## KX-TS500B/W

### Integrated Telephone System

- Wall Mountable • Switchable Tone/Pulse
- Electronic Handset Volume Control (6-Step)
- 3-Step Ringer Selector (Off/Low/High)
- Last Number Redial
- Flash

#### JENNE PART NUMBER:

- KX-TS500-B** Black  
**KX-TS500-W** White



KX-TS500-B

## KX-TS880B/W

### Integrated Phone System with 10 One-Touch Dialer Stations

- 2-Step Tilt Angle • Navigation Key
- Hands-Free Speakerphone
- Programmable Flash Time Setting
- Extra-Long 15.6" Curl Cord
- Ringer Indicator (LED) • Dial Lock
- Call Waiting Caller ID
- 30 One-Touch Dialer Stations:  
 10 One Touch & 20 Two-Touch
- Redial (Last 20 numbers Dialed)

#### JENNE PART NUMBER:

- KX-TS880-B** Black  
**KX-TS880-W** White



KX-TS880-B

## KX-TS108W

### Integrated Telephone System

- 16-Digit LCD with Clock • Hands-Free Speakerphone
- 20 One-Touch Dialer Stations
- 10-Station Speed Dialer • Data Port
- Hands-Free Headset Compatible
- Electronic Volume Controls for Speakerphone (8 Step), Handset and Headset (4-Step)
- Dial Lock
- 3-Step Ringer Volume Control
- Programmable Call Restriction

#### JENNE PART NUMBER:

- KX-TS108-W** White



KX-TS108-W

**KX-TCA60**

**Hands-Free Headset**

- 2.5mm Connection
- Provides Hands-Free Usage
- Reversible for Use with Either Ear
- Adjustable Microphone
- 4-Foot Cord

**JENNE PART NUMBER:  
KX-TCA60**



KX-TCA60

**KX-TCA93**

**Clip-On Headset**

- Reversible for Use with Either Ear
- Adjustable, Flexible Microphone Provides Optimal Voice Clarity
- Cord Clip

**JENNE PART NUMBER:  
KX-TCA93**



KX-TCA93

**KX-TGA405B**

**Range Extender**

- Doubles the effective transmission distance between the base unit and the cordless handset
- Compatible with all 2010/11 Panasonic cordless phone models

**JENNE PART NUMBER:  
KX-TGA405-B**



KX-TGA405-B

**KX-TCA430**

**Lightweight Headset**

- Adjustable, Flexible Microphone Provides Optimal Voice Clarity
- Convenient In-Cord Volume Control
- Mute Switch
- Reversible for Use with Either Ear
- Cord Clip

**JENNE PART NUMBER:  
KX-TCA430**



KX-TCA430

**KX-TCA400**

**Lightweight Headset**

- Adjustable, Flexible Microphone Provides Optimal Voice Clarity
- Reversible for Use with Either Ear
- Cord Clip

**JENNE PART NUMBER:  
KX-TCA400**



KX-TCA400

**KX-TCA230**

**Battery Back-Up Power Supply for 2010 Panasonic Cordless Phones**

**JENNE PART NUMBER:  
KX-TCA230**



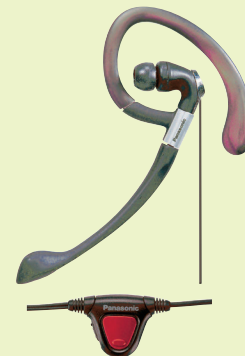
KX-TCA230

**KX-TCA94B**

**Clip-On Headset**

- Adjustable, Flexible Microphone Provides Optimal Voice Clarity
- Convenient In-Cord Volume Control
- Mute Switch
- Reversible for Use with Either Ear
- Cord Clip

**JENNE PART NUMBER:  
KX-TCA94-B**



KX-TCA94-B

## KX-MC6040

**All-in-One Flatbed Color Laser Machine, Built-in Network for Network Printing, Scanning, E-mailing, Storage and PC-Fax with 3.6-inch Color LCD with Fax Preview Function**

- Easy-to-read 3.6-inch color LCD • Up to 21 ppm color and monochrome printing (letter)
- Automatic document feeder (50 sheets) • Up to 1200 x 1200 kpi print resolution
- Print from e-mail (PDF, JPEG or TIFF) • Legal size available (flatbed/ADF)
- Page layout function (quick ID copy/N in 1/Poster/separate N in 1/easy repeat/booklet)
- Color scanning with flatbed and ADF • 9600 dpi (interpolated) scanning capability
- 33.6 kbps super G3 fax modem • 10 MB document memory (up to 780 pages)
- Network ready (10base-T / 100base-TX) • 1 year advanced exchange warranty

**JENNE PART NUMBER:**

**KX-MC6040**



KX-MC6040

## KX-MB3020

**High Speed Multi-Functional Laser Printer**

- Up to 35 pages per minute monochrome printing • Up to 2400 x 1200 dpi (enhanced)
- Standard 2-sided printing • Windows 2000/Windows XP/Windows Vista/Windows 7
- 50-page Automatic document feeder • Web fax preview
- Standard 2-sided copying • Up to 35 copies per minute • N in 1 / separate N in 1
- Quick ID copy / easy repeat • Legal flatbed • Color scanning • Scan to FTP/email available
- Network scan capability • 33.6 kbps super G3 fax modem • 6 MB document memory
- Caller ID • Junk fax filtering • 1 year advanced exchange warranty

**JENNE PART NUMBER:**

**KX-MB3020**



KX-MB3020

## KX-MB2061

**8-in-1 Multi Function Communication Center**

- High-Speed Printing/Copying at up to 24 ppm
- High-Quality Printing up to 600 x 600 dpi resolution
- Automatic Voice Message to Email Forwarding and Fax Forwarding to Email
- Color scanning from document flatbed / ADF
- High-Resolution scanning up to 9600 x 9600 dpi
- Scan and send documents via Email, FTP server or SMB Folder
- 20-Sheet Automatic Document Feeder • 250-Sheet Paper Capacity
- DECT 6.0 Cordless Telephone system with Digital Answering Machine
- 33.6 kbps Fax Modem • Standard 10Base-T / 100Base-TX Network Interface

**JENNE PART NUMBER:**

**KX-MB2061**



KX-MB2061

## KX-MB2030

**All-in-One Laser Multi-Function Printer**

- High-Speed Printing/Copying at up to 24 ppm
- Up to 600 x 600 dpi printing resolution • Easy Print Utility (printing software)
- Quick ID Copy, Image Repeat Copy, Separate N-in-1 Copy
- Color Scanning from Document Flatbed / ADF
- High-Resolution scanning up to 9600 x 9600 dpi
- 20-Sheet Automatic Document Feeder • 250-Sheet Paper Capacity
- Scan to Email address, FTP server or Windows shared folder
- Super G3 Fax with 33.6 kbps fax modem
- Preview received faxes on a PC (Web preview)
- Out-of-Paper Reception for up to 110 Pages
- Standard 10Base-T / 100Base-TX Network Interface

**JENNE PART NUMBER:**

**KX-MB2030**



KX-MB2030

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**KX-MB2000**

**24PPM 3-in-1 Monochrome Laser MFP**

- High-Speed Printing/Copying at up to 24 ppm
- Up to 600 x 600 dpi printing resolution
- Easy Print Utility (printing software)
- Quick ID copy, Image Repeat copy, Separate N-in-1 copy
- Color scanning from document flatbed / ADF
- High-Resolution scanning up to 9600 x 9600 dpi (interpolated)
- 250-Sheet Paper Capacity
- Scan to Email address, FTP server or Windows shared folder
- Standard 10Base-T / 100Base-TX Network Interface

**JENNE PART NUMBER:**  
**KX-MB2000**



KX-MB2000

**KX-FLM671**

**Multifunction Network Laser Fax Machine**

- Laser Printing / Copying at up to 14 ppm
- Up to 600 x 600 dpi printing resolution
- USB 2.0 Interface Port • 250-Sheet paper Capacity
- Standard 10Base-T /100Base-TX Network Interface
- 20-Sheet Automatic Document Feeder
- Super G3 Fax with 33.6 kbps fax modem
- Out-of-Paper Reception for up to 170 Pages
- Junk Fax Prohibitor • Telephone Handset
- 22 One-Touch Dials • 300-Station Address Book
- Caller ID Ready • Convenient Document Scanner

**JENNE PART NUMBER:**  
**KX-FLM671**



KX-FLM671

**KX-FLM661**

**Multifunction Network Laser Fax Machine**

- Laser Printing / Copying at up to 14 ppm
- Up to 600 x 600 dpi printing resolution
- USB 2.0 Interface Port • 250-Sheet paper Capacity
- 20-Sheet Automatic Document Feeder
- Super G3 Fax with 33.6 kbps fax modem
- Out-of-Paper Reception for up to 170 Pages
- Junk Fax Prohibitor • Telephone Handset
- 22 One-Touch Dials • 300-Station Address Book
- Caller ID Ready • Convenient Document Scanner

**JENNE PART NUMBER:**  
**KX-FLM661**



KX-FLM661



**KX-FL511**

**High-Speed Laser Fax/Copier**

- Fast, up to 12 PPM, 600 x 600 dpi printing • 14.4 kbps fax modem with Error Correction Mode
- Out-of-paper reception • 2MB total memory • Enhanced copier
- 220-sheet paper tray • Automatic document feeder
- Caller ID with Caller ID list printing • Navigator key with 2-Line display
- Enhanced help system • Monitor speaker • Telephone directory navigator
- Broadcasting • Auto-redial • Quick scan • Delayed send
- Fax and caller ID activity report
- Resolution: photo with text/photo/super fine/fine/standard
- Answering machine interface • 1-Year warranty

**JENNE PART NUMBER:**  
**KX-FL511**



KX-FL511

**KX-FL421**

**33.6Kbps Laser Fax Machine**

- Laser Copying at up to 10 ppm • Up to 600 x 600 dpi printing resolution
- 15-Sheet Automatic Document Feeder • 250-Sheet paper Capacity • 33.6 kbps fax modem
- Out-of-Paper Reception for up to 100 Pages • Junk Fax Prohibitor • Telephone Handset
- 10 One-Touch Dials • 100-Station Address Book • Caller ID Ready

**JENNE PART NUMBER:**  
**KX-FL421**



KX-FL421

**KX-FP215**

**Compact Plain Paper Fax and Copier with Digital Answering System**

- Fully digital answering system • Digital duplex speakerphone
- 28 page document memory • Enhanced copier function • Caller ID compatibility
- Informative 2-line LCD screen • Navigator key
- 50-station phonebook • Junk fax prohibitor • Out-of-paper reception
- Multi copy (20 pages) • Automatic document feeder (10 sheets)
- Delayed transmission • Friendly fax reception • Electronic volume control
- Error correction mode • Sequential broadcasting (20 locations)
- 14.4 kbps modem speed • 6 month warranty

**JENNE PART NUMBER:**  
**KX-FP215**



KX-FP215

**KX-FP205**

**Plain Paper Fax/Copier**

- Enhanced copier • Automatic fax/phone switching
- Monitor speakerphone • Caller ID/list printing
- Navigator key with 2-line display • Automatic document feeder
- Enhanced help system • Out-of-paper reception
- Telephone directory navigator • 6-month warranty

**JENNE PART NUMBER:**  
**KX-FP205**



KX-FP205

**KX-FA103**

**Handset Unit for KX-FLB800-Series Fax Machines**

- For KX-FLB851, KX-MC6020, KX-MC6040 machines

**JENNE PART NUMBER:**  
**KX-FA103**



KX-FA103

**KX-FA132**

Film Cartridge with 200m Ink Film Roll

- For KX-F1000 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA132**



KX-FA132

**KX-FA133**

(1) Ink Film Roll Refill (200m Film per roll)

- For KX-F1000 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA133**

**KX-FA135**

Film Cartridge with 100m Ink Film Roll

- For ALL KX-FP200 and KX-FP250 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA135**

**KX-FA136**

(2) Ink Film Roll Refills (100m Film per roll)

- For ALL KX-FP200 and KX-FP250 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA136**

**KX-FA75**

Replacement Toner Cartridge/  
Drum Unit Kit

- For FLM600 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA75**



KX-FA75

**KX-FA76**

Replacement Toner Cartridge (2000-Sheet Yield)

- For ALL KX-FL501 and KX-751 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA76**

**KX-FA53**

(1) Ink Film Roll Refill (50m Film per roll)

- For KX-FP80, KX-FP151 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA53**

**KX-FA55**

(2) Ink Film Roll Refills (50m Film per roll)

- For KX-FP80, KX-FP151 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA55**

**KX-FA65**

Film Cartridge with Ink Film Roll (100m Film)

- For KX-FHD301, FP101 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA65**



KX-FA65

**KX-FA77D**

Replacement Drum Unit (6000-Sheet Yield)

- For ALL KX-FL501 and KX-FLB751 Series Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA77D**

**KX-FA84**

High-Yield Drum Unit (10000-Sheet yield)

- For KX-FL511, KX-FL541, KX-FL611 Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA84**

**KX-FAP317**

520 Sheet Cassette Option

- For KX-MC6020/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**  
**KX-FAP317**

**KX-FAB318**

Auto Duplex Unit Option

- For KX-MC6020/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**  
**KX-FAB318**

**KX-FATC506/FATM507/FATY508**

Color Toner (4,000 pages)

- For KX-MC6020/KX-MC6022/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**

- |                   |         |
|-------------------|---------|
| <b>KX-FATC506</b> | Cyan    |
| <b>FATM507</b>    | Magenta |
| <b>FATY508</b>    | Yellow  |

**KX-FA83**

Replacement Toner Cartridge (2500-Sheet Yield)

- For KX-FL511, KX-FL541 Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA83**

**KX-FA85**

Replacement Toner Cartridge (5000-Sheet Yield)

- For KX-FLB851 Facsimile Machine

**JENNE PART NUMBER:**  
**KX-FA85**

**KX-FA87**

Replacement Toner Cartridge

- For KX-FLB801/811 Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA87**

**KX-FA91**

Film Cartridge with Ink Film Roll (25m Film)

- For KX-FP205, KX-FG2451 Facsimile Machines

**JENNE PART NUMBER:**  
**KX-FA91**

**KX-FA92**

(2) Ink Film Roll Refills (35m Film per roll)

- For KX-FP145, KX-FPG376, KX-FPG381, KX-FPG391

**JENNE PART NUMBER:**  
**KX-FA92**



KX-FA92

**KX-FAT92**

**Replacement Toner Cartridge**

- For KX-MB271, KX-MB781 Facsimile Machines

**JENNE PART NUMBER:**

**KX-FAT92**

**KX-FA93**

**(1) Ink Film Roll Refill (70m Film per roll)**

- For KX-FHD331/332/351 Model Facsimile Machines

**JENNE PART NUMBER:**

**KX-FA93**

**KX-FA94**

**(1) Ink Film Roll Refill (120m Film per roll)**

- For KX-FB421 Model Facsimile Machines

**JENNE PART NUMBER:**

**KX-FA94**

**KX-FA86**

**Replacement Drum Unit (10000-Sheet yield)**

- For KX-FLB851, KX-FLB801, KX-FLB811 Facsimile Machines

**JENNE PART NUMBER:**

**KX-FA86**



KX-FA86

**KX-FAD93**

**Replacement Drum Unit (10000-Sheet yield)**

- For KX-MB271, KX-MB781 Facsimile Machines

**JENNE PART NUMBER:**

**KX-FAD93**

**KX-FATK509**

**Black Toner (4,000 pages)**

- For KX-MC6023/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**

**KX-FATK509**

**KX-FADC510**

**Color Drum (10,000 pages)**

- For KX-MC6020/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**

**KX-FADC510**

**KX-FADK511**

**Black Drum (10,000 pages)**

- For KX-MC6020/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**

**KX-FADK511**

**KX-FAW505**

**Waste Toner Bottle (Mono: 32k, Color: 8k)**

- For KX-MC6020/KX-MC6040 color laser multifunctional printer

**JENNE PART NUMBER:**

**KX-FAW505**

# Technical Services



Jenne's expert, in-house Technical Services team shares over 200 years of telecommunication and IP experience. They hold a variety of certifications. This includes all the required manufacturer's certifications on supported platforms, enabling them to provide Tier II technical support. Our technical services team is available for pre-sales configuration through post-sales installation help. Jenne Technical Services maintains, and prides itself on the lowest queue time of any similar support service in the industry.







The Technical Services department is available Monday - Friday 8:00 A.M. - 8:00 P.M. EST  
Please call (800) 422-6191, follow appropriate prompts.

	HD 720p	HD 720p	HD 720p	HD 720p	HD720p	HD 1080p	
<b>Model</b>	VW-SW396	VW-SW395	VW-SC386	VW-SC385	VW-SC384	VW-SF549	
<b>Camera Type</b>	1.3 MP Outdoor PTZ (Continuous 360°)	1.3 MP Outdoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (Continuous 360°)	1.3 MP Indoor PTZ (360° w/ auto flip)	1.3 MP Indoor PTZ (360° w/ auto flip)	3.0 MP (JPEG)/2.0 MP (H.264) indoor vandal dome	
<b>Super Dynamic</b>	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x) <sup>*1</sup>	Mega Super Dynamic	
<b>Imaging Device</b>	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	Yes	Yes	Yes	Yes	No	Yes	
<b>Auto Back Focus</b>	Auto Focus	Auto Focus	Auto Focus	Auto Focus	Auto Focus	Yes (Lens ABF)	
<b>VIQS</b>	No	No	No	No	No	Yes (2 areas)	
<b>Minimum Illumination</b>	<b>Color</b>	0.5 lux	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.5 lux
	<b>B/W</b>	0.06 lux	0.06 lux	0.06 lux	0.06 lux	0.5 lux	0.06 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	15fps (2048 x 1536) 30fps (1920 x 1080)	
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	
<b>Audio Capability</b>	2-way	2-way	2-way	2-way	2-way	2-way	
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)	
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	3.3mm~119mm	4.7mm~84.6mm	3.3mm~119mm	4.7mm~84.6mm	4.7mm~84.6mm	3.6x vari-focal 2.8mm ~ 10.0mm	
<b>Zoom</b>	36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	36x (1.3MP) optical 72x (VGA) EX zoom 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 12x electric	18x (1.3MP) optical 36x (VGA) EX optical 8x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	24VAC PoE+ (IEEE802.3at)	24VAC PoE+ (IEEE802.3at)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	2/1	2/1	2/1	2/1	2/1	2/1	
<b>Max Power Consumption</b>	24W (PoE+) 43W (AC)	24W (PoE+) 43W (AC)	12W (PoE) 1000mA (DC)	12W (PoE) 1000mA (DC)	10W (PoE) 690mA (DC)	6.0W (PoE) 570mA (DC)	
<b>Operating Temperature</b>	-58°F~131°F (24VAC) -22°F~131°F (PoE+)	-40°F~122°F (24VAC) -30°F~122°F (PoE+)	14°F~122°F	14°F~122°F	14°F~122°F	14°F ~ 122°F	
<b>Mobile Phone Support<sup>*2</sup></b>	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG PTZ/AUX Control	JPEG	
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD IP66	Advanced Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Auto Tracking Drag and Zoom Image Stabilizer Face Detection Face Mega SD	Drag and Zoom Image Stabilizer Face Detection Face WDR	Face Detection Face Mega SD IK10	

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

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	HD 1080p	HD 1080p	HD 1080p	HD 720p	HD 720p	HD 720p
						
<b>Model</b>	WV-SF548	WV-SF539	WV-SF538	WV-SF336	WV-SF335	WV-SF332
<b>Camera Type</b>	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor dome	3.0 MP (JPEG)/ 2.0 MP (H.264) indoor dome	1.3 MP Indoor dome	1.3 MP Indoor dome	800x600 Indoor dome
<b>Super Dynamic</b>	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	WDR (8x)*1	WDR (8x)*1	WDR (8x)*1
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Removable IR (D&amp;N)</b>	No	Yes	No	No	No	No
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)
<b>VIQS</b>	Yes (2 areas)	Yes (2 areas)	Yes (2 areas)	Yes	Yes	Yes
<b>Minimum Illumination</b>	<b>Color</b>	0.5 lux	0.5 lux	0.3 lux	0.3 lux	0.2 lux
	<b>B/W</b>	0.3 lux	0.06 lux	0.3 lux	0.2 lux	0.13 lux
<b>fps JPEG</b>	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
<b>fps MPEG-4</b>	-	-	-	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
<b>fps H.264</b>	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)
<b>Audio Capability</b>	No	2-way	No	2-way	2-way	2-way
<b>SD Memory Card Slot</b>	No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
<b>Lens Type</b>	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
<b>Zoom</b>	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
<b>Power</b>	12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC, PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
<b>Alarm In-/Outputs</b>	1/1	2/1	1/1	1/1	1/1	1/1
<b>Max Power Consumption</b>	5.8W (PoE) 550mA (DC)	6.0W (PoE) 570mA (DC)	5.8W (PoE) 550mA (DC)	4.2W (PoE) 320mA (DC)	3.5W (PoE) 280mA (DC)	3.5W (PoE) 280mA (DC)
<b>Operating Temperature</b>	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F
<b>Mobile Phone Support*2</b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication
<b>Other Key Features</b>	Face Detection Face Mega SD IK10	Face Detection Face Mega SD	Face Detection Face Mega SD	Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

	HD 720p		HD 1080p	HD 1080p	HD 1080p	HD 720p	
<b>Model</b>	WV-SF135	WV-SF132	WV-SW559	WV-SW558	WV-NW502S*5	WV-SW355	
<b>Camera Type</b>	1.3 MP Indoor dome	VGA Indoor dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	3.0 MP (JPEG)/ 2.0 MP (H.264) Outdoor vandal dome	1.3 MP Outdoor vandal dome	
<b>Super Dynamic</b>	No	No	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic	
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" CCD Progressive Scan	1/3" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	No	No	Yes	No	Yes	Yes	
<b>Auto Back Focus</b>	No	No	Yes (Lens ABF)	Yes (Lens ABF)	Yes	Yes (Lens ABF)	
<b>VIQS</b>	Yes	Yes	Yes (2 areas)	Yes (2 areas)	Yes	Yes	
<b>Minimum Illumination</b>	<b>Color</b>	0.8 lux	2.0 lux	0.5 lux	0.5 lux	3MP: 2.0 lux 1.3MP: 1.0 lux	0.3 lux
	<b>B/W</b>	0.6 lux	1.3 lux	0.06 lux	0.3 lux	3MP: 0.16 lux 1.3MP: 0.08 lux	0.05 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (640 x 480)	15fps (2048 x 1536) 30fps (1920 x 1080)	15fps (2048 x 1536) 30fps (1920 x 1080)	5fps (2048 x 1536) 30fps (1280 x 960)	30fps (1280 x 960)	
<b>fps MPEG-4</b>	-	-	-	-	30fps (640 x 480)	30fps (640 x 480)	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (640 x 480)	30fps (1920 x 1080) 30fps (1280 x 960)	30fps (1920 x 1080) 30fps (1280 x 960)	15fps (1920 x 1080) 30fps (1280 x 960)	30fps (1280 x 960)	
<b>Audio Capability</b>	No	No	2-way	No	2-way	2-way	
<b>SD Memory Card Slot</b>	No	No	Yes (SDXC)	No	Yes (SDHC)	Yes (SDHC)	
<b>SD Card Recording</b>	No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	Fixed focal length 1.95mm	Fixed focal length 1.95mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	2.8x vari-focal 2.8mm~8.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	
<b>Zoom</b>	2x (VGA) Ex zoom	-	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	2.8x optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	No	No	2/1	1/1	2/1	1/1	
<b>Max Power Consumption</b>	2.6W (PoE)	2.2W (PoE)	8.6W (PoE) 850mA (DC)	8.4W (PoE) 830mA (DC)	7.6W (PoE) 630mA (DC)	11.5W (PoE) 1.1 A (DC)	
<b>Operating Temperature</b>	32°F ~ 104°F	32°F ~ 104°F	-40°F ~ 122°F	-40°F ~ 122°F	-22°F~122°F	-22°F ~ 122°F	
<b>Mobile Phone Support<sup>2</sup></b>	JPEG	JPEG	JPEG	JPEG	No	JPEG	
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Face Detection ABS*4	Face Detection ABS*4	Face Detection Face Mega SD Dehumidification Device 2 area VIQS IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device Heater PoE*3 IP66	

\*1: WDR (Wide Dynamic Range)







\*2: See the supported mobile phones on the Panasonic web site

\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

\*5: Other models available - WV-NW502S/09 with 9-22mm lens, WV-NW502S/15 with 15-50mm lens, WV-NW502S/22 with 2.2mm lens

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	HD 720p			HD 720p	HD 720p	HD 720p
						
<b>Model</b>	WV-SW352	WV-SF346	WV-SF342	WV-SW316L	WV-SW316	WV-SW314
<b>Camera Type</b>	800x600 Outdoor vandal dome	1.3 MP Indoor vandal dome	800x600 Indoor vandal dome	1.3 MP Outdoor Box	1.3 MP Outdoor Box	1.3 MP Outdoor Box
<b>Super Dynamic</b>	Super Dynamic	WDR (8x)*1	WDR (8x)*1	Mega Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Removable IR (D&amp;N)</b>	Yes	No	No	Yes	Yes	No
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Lens ABF)	Yes (Lens ABF)	No
<b>VIQS</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Minimum Illumination</b>	<b>Color</b>	0.2 lux	0.3 lux	0.2 lux	0.3 lux	0.3 lux
	<b>B/W</b>	0.04 lux	0.2 lux	0.13 lux	0.0 lux	0.05 lux
<b>fps JPEG</b>	30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)
<b>fps H.264</b>	30fps (800 x 600)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (1280 x 960)
<b>Audio Capability</b>	2-way	2-way	2-way	2-way	2-way	No
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No
<b>Lens Type</b>	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.2x vari-focal 3.1mm ~ 10.0mm	3.6x vari-focal 2.8mm ~ 10.0mm
<b>Zoom</b>	3.6x optical 7.2x (VGA) EX optical 4x electric	3.6x optical 4x electric	3.6x optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.2x optical 6.4x (VGA) EX optical 4x electric	3.6x optical 7.2x (VGA) EX optical 4x electric
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)
<b>Alarm In-/Outputs</b>	1/1	1/1	1/1	1/1	1/1	No
<b>Max Power Consumption</b>	11.5W (PoE) 1.1 A (DC)	4.2W (PoE) 320mA (DC)	4.2W (PoE) 320mA (DC)	9.6W (PoE) 850mA (DC)	9.6W (PoE) 850mA (DC)	3.4W (PoE)
<b>Operating Temperature</b>	-22°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	-40°F ~ 122°F	-40°F ~ 122°F	14°F ~ 122°F
<b>Mobile Phone Support<sup>*2</sup></b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
<b>Other Key Features</b>	Face Detection Dehumidification Device Heater PoE*3 IP66 Face Super Dynamic	Face Detection Face WDR IK10	Face Detection Face WDR IK10	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Mega SD Dehumidification Device IP66	Face Detection Face Super Dynamic IP66

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site







\*3: Heater optional

\*4: ABS (Adaptive Black Stretch)

	HD 720p		HD 720p	HD 720p		HD 1080p	HD 1080p
<b>Model</b>	VW-SW175	VW-SW172	VW-SW174W	VW-SW155	VW-SW152	VW-SP509*5	VW-SP508*5
<b>Camera Type</b>	1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor Pan-Tilt (800 x 600)	1.3 MP Outdoor Pan-Tilt	1.3 MP Outdoor vandal dome	800 x 600 Outdoor vandal dome	3.0MP (JPEG)/ 2.0MP (H.264) Box	3.0MP (JPEG)/ 2.0MP (H.264) Box
<b>Super Dynamic</b>	No	No	No	Mega Super Dynamic	Super Dynamic	Mega Super Dynamic	Mega Super Dynamic
<b>Imaging Device</b>	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan
<b>Video Compression</b>	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Removable IR (D&amp;N)</b>	No	No	No	No	No	Yes	No
<b>Auto Back Focus</b>	No	No	No	No	No	Yes (Lens ABF)	Yes (Lens ABF)
<b>VIQS</b>	No	No	No	Yes	Yes	Yes (2 areas)	Yes (2 areas)
<b>Minimum Illumination</b>	<b>Color</b>	0.6 lux	0.6 lux	0.6 lux	0.8 lux	0.6 lux	0.5 lux
	<b>B/W</b>	0.5 lux	0.5 lux	0.5 lux	0.6 lux	0.4 lux	0.06 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	15fps (2048 x 1536)	15fps (2048 x 1536)
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	-	-
<b>fps H.264</b>	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1920 x 1080)	30fps (1920 x 1080)
<b>Audio Capability</b>	2-way	2-way	2-way	No	No	2-way	No
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	No	Yes (SDHC)	Yes (SDHC)	Yes (SDXC)	No
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)
<b>Lens Type</b>	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Fixed focal length 1.95mm	Optional	Optional
<b>Zoom</b>	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	2x (VGA) Ex zoom	4x electric	4x electric
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	PoE (IEEE802.3af)	PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)
<b>Alarm In-/Outputs</b>	2/1	2/1	2/1	No	No	2/1	1/1
<b>Max Power Consumption</b>	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	2.7W (PoE)	2.7W (PoE)	6.0W (PoE) 570 mA (DC)	5.8W (PoE) 550 mA (DC)
<b>Operating Temperature</b>	-4°F ~ 122°F	-4°F ~ 122°F	-4°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F	14°F ~ 122°F
<b>Mobile Phone Support<sup>*2</sup></b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG
<b>Security</b>	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS
<b>Other Key Features</b>	Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face WDR IP55	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD IP66 IK10 compatible with EN50155	Face Detection Face Mega SD	Face Detection Face Mega SD

\*5: Does not include lens.



	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	HD 720p	
								
<b>Model</b>	WV-SP306*5	WV-SP305*5	WV-SP302*5	WV-SP105	WV-SP102	WV-ST165	WV-ST162	
<b>Camera Type</b>	1.3MP Box	1.3MP Box	800 x 600 Box	1.3 MP Box	1.3 MP Box (VGA)	1.3 MP Indoor Pan-Tilt	1.3 MP Indoor Pan-Tilt (800 x 600)	
<b>Super Dynamic</b>	WDR (8x)*1	WDR (8x)*1	WDR (8x)*1	No	No	No	No	
<b>Imaging Device</b>	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/3" MOS Sensor Progressive Scan	1/5" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	1/4" MOS Sensor Progressive Scan	
<b>Video Compression</b>	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 MPEG-4 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	H.264 JPEG	
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Removable IR (D&amp;N)</b>	Yes	No	No	No	No	No	No	
<b>Auto Back Focus</b>	Yes (Lens ABF)	Yes (Focus Assist)	Yes (Focus Assist)	No	No	No	No	
<b>VIQS</b>	Yes	Yes	Yes	Yes	Yes	No	No	
<b>Minimum Illumination</b>	<b>Color</b>	0.3 lux	0.3 lux	0.2 lux	0.8 lux	2.0 lux	0.6 lux	0.6 lux
	<b>B/W</b>	0.05 lux	0.2 lux	0.13 lux	0.4 lux	1.3 lux	0.5 lux	0.5 lux
<b>fps JPEG</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)	
<b>fps MPEG-4</b>	30fps (640 x 480)	30fps (640 x 480)	30fps (640 x 480)	-	-	30fps (640 x 480)	30fps (640 x 480)	
<b>fps H.264</b>	30fps (1280 x 960)	30fps (1280 x 960)	30fps (800 x 600)	30fps (1280 x 960)	30fps (640 x 480)	30fps (1280 x 960)	30fps (800 x 600)	
<b>Audio Capability</b>	2-way	2-way	2-way	No	No	2-way	2-way	
<b>SD Memory Card Slot</b>	Yes (SDHC)	Yes (SDHC)	Yes (SDHC)	No	No	Yes (SDHC)	Yes (SDHC)	
<b>SD Card Recording</b>	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	No	No	30fps (H.264) 1fps (JPEG)	30fps (H.264) 1fps (JPEG)	
<b>Lens Type</b>	Optional	Optional	Optional	Fixed focal length: 3.54mm	Fixed focal length: 2.00mm	Fixed focal length: 1.95mm	Fixed focal length: 1.95mm	
<b>Zoom</b>	4x electric	4x electric	4x electric	2x (VGA) Ex optical	No	2x (VGA) Ex zoom	2x (VGA) Ex zoom	
<b>Network</b>	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	10/100 BASE-TX IP v4/v6	
<b>Power</b>	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	12VDC PoE (IEEE802.3af)	
<b>Alarm In-/Outputs</b>	1/1	1/1	1/1	No	No	2/1	2/1	
<b>Max Power Consumption</b>	4.4W (PoE) 350 mA (DC)	3.4W (PoE) 270 mA (DC)	3.4 (PoE) 270 mA (DC)	2.8W (PoE) 200 mA (DC)	2.0W (PoE) 140 mA (DC)	6.2W (PoE) 430 mA (DC)	6.2W (PoE) 430 mA (DC)	
<b>Operating Temperature</b>	14°F~122°F	14°F~122°F	14°F~122°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F	32°F ~ 104°F	
<b>Mobile Phone Support*2</b>	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	JPEG	
<b>Security</b>	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication	ID/PWD Host Authentication HTTPS	ID/PWD Host Authentication HTTPS	
<b>Other Key Features</b>	Face Detection Face WDR	Face Detection Face WDR	Face Detection Face WDR	ABS*4	ABS*4	Face Detection Face WDR	Face Detection Face WDR	

\*1: WDR (Wide Dynamic Range)

\*2: See the supported mobile phones on the Panasonic web site

\*4: ABS (Adaptive Black Stretch)

\*5: Does not include lens.







						
<b>Model</b>	WV-CW974	WV-CW594	WV-CS584	WV-CW504S/F	WV-CW364S	WV-CW334S
<b>Camera Type</b>	Outdoor PTZ	Outdoor PTZ	Indoor PTZ	Outdoor Vandal	Outdoor Vandal	Outdoor Vandal
<b>Wide Dynamic</b>	SDIII	SD6	SD6	SD5	No	No
<b>Imaging Device</b>	1/4 inch	1/4 inch	1/4 inch	1/3 inch	1/3 inch	1/3 inch
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>IR Sensitivity</b>	Yes	Yes	Yes	Yes	Yes	No
<b>Focus</b>	Auto Focus	Auto Focus	Auto Focus	Auto Back Focus	N/A	N/A
<b>Min. Illumination (Color)</b>	0.5 lux	0.5 lux	0.5 lux	0.1 lux	0.6 lux	0.6 lux
<b>Min. Illumination (Color with Sens Up)</b>	0.02 lux (32x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.02 lux (32x sens up) 0.001 lux (512x sens up)	0.003 lux (32x sens up)	N/A	N/A
<b>Min. Illumination (B/W)</b>	0.04 lux	0.04 lux	0.04 lux	0.01 lux	0.05 lux	0.4 lux
<b>Min. Illumination (B/W with Sens Up)</b>	0.0013 lux (32x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0013 lux (32x sens up) 0.00008 lux (512x sens up)	0.0003 lux (32x sens up)	N/A	N/A
<b>Horiz. Resolution</b>	540 TV lines	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines
<b>Focal Length</b>	3.8mm-114mm	3.3mm-119mm	3.3mm-119mm	3.8mm-8.0mm vari-focal	2.8mm-10.0mm vari-focal	2.8mm-10.0mm vari-focal
<b>Zoom</b>	30x optical/10x digital	36x optical/20x digital	36x optical/20x digital	2.1x optical/2x digital	3.6x optical	3.6x optical
<b>Lens Mount</b>	Proprietary	Proprietary	Proprietary	CS-mount	Proprietary	Proprietary
<b>Motion Detection</b>	Yes	Yes	Yes	i-VMD (Intelligent VMD)	No	No
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	No	No
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	No	No
<b>Light Control</b>	ALC	ALC	ALC	ALC/ALC+	ALC	ALC
<b>IP66</b>	Yes	Yes	No	Yes	Yes	Yes
<b>Impact Protection Standard</b>	N/A	N/A	N/A	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J	IEC 60068-2-75: 50J
<b>Power</b>	24VAC	24VAC	24VAC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
<b>Power Consumption</b>	Camera: 17W Heater: 62W	98W	4.3W	AC 3.4W (w/o Heater) AC 14W (w/ Heater) DC 280mA (w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA (w/o Heater)	AC 2.9W (w/o Heater) AC 13.1W (w/ Heater) DC 250mA (w/o Heater)
<b>Operating Temperature</b>	-40° F - 122° F	-58° F-122° F	14° F - 122° F	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)	14° F - 122° F -22° F - 122° F (w/ Heater)
<b>Key Features</b>	Advanced auto tracking with Pan/Tilt/Zoom Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Auto tracking with Pan/Tilt Privacy zone masking	Intelligent VMD (object left behind/removal, loitering, direction) Dehumidification device	Adaptive Black Stretch	Adaptive Black Stretch

						
<b>Model</b>	WV-CF504	WV-CF354	WV-CF344	WV-CW384	WV-CL934*5	WV-CL930*5
<b>Camera Type</b>	Indoor Minidome	Indoor Minidome	Indoor Minidome	Outdoor Fixed Box	Fixed Box	Fixed Box
<b>Wide Dynamic</b>	SD5	No	No	SDIII	No	No
<b>Imaging Device</b>	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/2 inch	1/2 inch
<b>Day/Night</b>	Yes	Yes (Electrical)	Yes (Electrical)	Yes	Yes	Yes
<b>IR Sensitivity</b>	Yes	No	No	Yes	Yes	Yes
<b>Focus</b>	Auto Back Focus	Auto Focus	N/A	Auto Back Focus	Auto Back Focus	Auto Back Focus
<b>Min. Illumination (Color)</b>	0.1 lux	0.08 lux	0.08 lux	0.65 lux	0.09 lux @f1.4	0.09 lux @f1.4
<b>Min. Illumination (Color with Sens Up)</b>	0.003 lux (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.065 lux (10x sens up)	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)
<b>Min. Illumination (B/W)</b>	0.01 lux	0.05 lux	0.05 lux	0.09 lux	0.008 lux @f1.4	0.008 lux @f1.4
<b>Min. Illumination (B/W with Sens Up)</b>	0.0003 lux (32x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.009 lux (10x sens up)	0.0003 lux @F1.4 (32x sens up)	0.0003 lux @F1.4 (32x sens up)
<b>Horiz. Resolution</b>	650 TV lines	650 TV lines	650 TV lines	540 TV lines	540 TV lines	540 TV lines
<b>Focal Length</b>	3.8mm-8.0mm vari-focal	2.8mm - 10mm vari-focal	2.8mm - 10mm vari-focal	5mm - 40mm vari-focal	Optional	Optional
<b>Zoom</b>	2.1x optical / 2x digital	3.6x optical / 2x digital	3.6x optical / 2x digital	2x digital	N/A	N/A
<b>Lens Mount</b>	CS-mount	Proprietary	Proprietary	CS-mount	CS-mount	CS-mount
<b>Motion Detection</b>	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes	Yes
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Light Control</b>	ALC/ALC+	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC	ALC/ALC+/ELC	ALC/ALC+/ELC
<b>IP66</b>	No	No	No	Yes	No	No
<b>Impact Protection Standard</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power</b>	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC	24VAC/12VDC
<b>Power Consumption</b>	AC 3.4W DC 280mA	AC 2.1W DC 180mA	AC 2.1W DC 180mA	AC 18W DC 540mA	AC 4.0W DC 350mA	AC 4.6W DC 350mA
<b>Operating Temperature</b>	14° F - 122° F	14° F - 122° F	14° F - 122° F	-22° F - 122° F	14° F - 122° F	14° F - 122° F
<b>Key Features</b>	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Built-in fan, heater and shield	Ultra high sensitivity Adaptive digital noise reduction	Ultra high sensitivity Adaptive digital noise reduction





\*5: Does not include lens.

# FIXED BOX CAMERA LINEUP



						
<b>Model</b>	WV-CP504*5	WV-CP500*5	WV-CP314	WV-CP310*5	WV-CP304*5	WV-CP300*5
<b>Camera Type</b>	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box	Fixed Box
<b>Wide Dynamic</b>	SD5	SD5	No	No	No	No
<b>Imaging Device</b>	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch	1/3 inch
<b>Day/Night</b>	Yes	Yes	Yes	Yes	Yes (Electrical)	Yes (Electrical)
<b>IR Sensitivity</b>	Yes	Yes	Yes	Yes	No	No
<b>Focus</b>	Auto Back Focus	Auto Back Focus	N/A	N/A	N/A	N/A
<b>Min. Illumination (Color)</b>	0.1 lux @f1.4	0.1 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4	0.08 lux @f1.4
<b>Min. Illumination (Color with Sens Up)</b>	0.003 lux @f1.4 (32x sens up)	0.003 lux @f1.4 (32x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)	0.0025 lux (32x sens up) 0.00016 lux (512x sens up)
<b>Min. Illumination (B/W)</b>	0.01 lux @f1.4	0.01 lux @f1.4	0.008 lux @f1.4	0.008 lux @f1.4	0.05 lux @f1.4	0.05 lux @f1.4
<b>Min. Illumination (B/W with Sens Up)</b>	0.0003 lux @f1.4 (32x sens up)	0.0003 lux @f1.4 (32x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.00025 lux (32x sens up) 0.00002 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)	0.0016 lux (32x sens up) 0.00010 lux (512x sens up)
<b>Horiz. Resolution</b>	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines	650 TV lines
<b>Focal Length</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>Zoom</b>	2x digital	2x digital	2x digital	2x digital	2x digital	2x digital
<b>Lens Mount</b>	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount	CS-mount
<b>Motion Detection</b>	i-VMD (Intelligent VMD)	i-VMD (Intelligent VMD)	Yes	Yes	Yes	Yes
<b>On Screen Display</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Image Stabilization</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Light Control</b>	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC	ALC/ALC+/ELC
<b>IP66</b>	No	No	No	No	No	No
<b>Impact Protection Standard</b>	N/A	N/A	N/A	N/A	N/A	N/A
<b>Power</b>	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC	24VAC/12VDC	120VAC
<b>Power Consumption</b>	AC 3.6W DC 310mA	AC 3.2W DC 310mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA	AC 2.1W DC 180mA	AC 2.3W DC 180mA
<b>Operating Temperature</b>	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F	14° F - 122° F
<b>Key Features</b>	Intelligent VMD (object left behind/removal, loitering, direction)	Intelligent VMD (object left behind/removal, loitering, direction)	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation	Adaptive Black Stretch Lens Distortion Compensation

\*5: Does not include lens.

				
<b>Model</b>	WJ-ND400	WJ-ND300A	WJ-NV200	WJ-NV200V
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
<b>Max. HDD</b>	9 drives (internal) 54 drives (w/ external)	4 drives (internal) 28 drives (w/ external)	2 drives (internal)	1 drive (internal)
<b>Max. Storage</b>	27TB (internal, 3TB HDD) 162TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 84TB (w/ external, 3TB HDD)	6TB (internal, 3TB HDD)	3TB (internal, 3TB HDD)
<b>Max. IP Camera</b>	64 at H.264 2Mbps	32 at H.264 2Mbps	16 at H.264 4Mbps	16 at H.264 4Mbps
<b>Supported Video Resolution</b>	3MP (2048 x 1536), 1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)
<b>Max. Recording Rate (Total)</b>	Approx. 1,920fps (30 fps at 64 cameras)	Approx. 960fps (30 fps at 32 cameras)	Approx. 480fps (30 fps at 16 cameras)	Approx. 480fps (30 fps at 16 cameras)
<b>RAID Support</b>	RAID5/6	RAID5 Optional (WJ-NDB301)	No	No
<b>Max. Network Bandwidth</b>	128Mbps (Camera recording) 72Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)	64Mbps (Camera recording) 32Mbps (PC monitoring) 13Mbps (HDMI out monitoring)
<b>Network I/F</b>	2x 100/1000Base-T, 1x 10 Base-T	2x 10/100Base-T, 1x 10 Base-T	1x 100/1000Base-T	1x 100/1000Base-T
<b>Supported Camera Brands</b>	Panasonic (i-PRO & BB)*1 AXIS (JPEG, MPEG4)*2	Panasonic (i-PRO & BB)*1 AXIS (JPEG)*2	Panasonic (i-PRO & BB)*1 AXIS, SONY*3	Panasonic (i-PRO & BB)*1 AXIS, SONY*3
<b>Alarm/Control Ports</b>	32 terminal alarm inputs/ outputs, Control/AUX	16 terminal alarm inputs/ outputs, Control/AUX	9 terminal alarm inputs/ outputs	9 terminal alarm inputs/ outputs
<b>RTP over HTTP (From IP Cameras)</b>	No	No	No	No
<b>RTP over HTTP (For Client Monitoring)</b>	Yes	No	Yes	Yes
<b>Functions</b>	Metadata smart search	-	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation	HD1080i HDMI Output (Built-in Decoder) Real-time face matching, mouse operation
<b>Power Consumption</b>	120 VAC, 60Hz/Approx. 170W	120 VAC, 60Hz/Approx. 85W	120 VAC, 60Hz/Approx. 45W	120 VAC, 60Hz/Approx. 45W
<b>Rack Mountable</b>	Yes (3U)	Yes (2U)	Optional (1U)	Optional (1U)
<b>Remote Monitoring</b>	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)


\*1 Regarding BB cameras, only specific models and video formats are supported. Contact Panasonic for BB cameras.


\*2 Only specific AXIS cameras and encoders are supported. Contact Panasonic for AXIS cameras.



\*3 Connected on Onvif protocol.



<b>Model</b>	WJ-HD716	WJ-HD616
<b>Video Inputs</b>	16	16
<b>Video Loop Through</b>	Yes (16)	Yes (16)
<b>Audio Inputs</b>	4	4
<b>Monitor Out</b>	2x HDMI, 2x Composite (BNC) (All: Multiscreen)	2x HDMI, 2x Composite (BNC) (All: Multiscreen)
<b>Audio Outputs</b>	2	2
<b>Recording Video Compression</b>	H.264	H.264
<b>Max. HDD</b>	4 drives (internal) 31 drives (w/ external)	4 drives (internal) 31 drives (w/ external)
<b>Max. Storage</b>	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)	12TB (internal, 3TB HDD) 93TB (w/ external, 3TB HDD)
<b>Recording Resolution</b>	Frame (720 x 480) Field (720 x 240)	Frame (720 x 480) Field (720 x 240)
<b>Max. Recording Rate (Total)</b>	480ips at Field (720 x 240) 240ips at Frame (720 x 480)	240ips at Field (720 x 240) 120ips at Frame (720 x 480)
<b>RAID Support</b>	RAID5/6 Optional (WJ-HDB601)	RAID5/6 Optional (WJ-HDB601)
<b>Network I/F</b>	2x 10/100 Base-TX	2x 10/100 Base-TX
<b>HDMI Cascade</b>	Up to 5 main units	Up to 5 main units
<b>Coax PTZ Control</b>	16 (for Panasonic camera)	8 (for Panasonic camera)
<b>RS485 Camera Interface</b>	2x RS485, 2/4 wire, half duplex (for 1-16 CH)	2x RS485, 2/4 wire, half duplex (for 1-16 CH)
<b>Alarm/Control Ports</b>	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input	16 terminal alarm inputs/outputs, 1 alarm reset input, 1 alarm suspend input
<b>Copy Ports</b>	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)	Built-in SD/SDHC slot CD/DVD burner (Optional: WJ-HDB611)
<b>RTP over HTTP (for Internet monitoring)</b>	Yes	Yes
<b>Functions</b>	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link	Dual HD1080i HDMI Outputs, mouse operation, timeline bar search, SD5 Link
<b>Power</b>	120 VAC, 60Hz	120 VAC, 60Hz
<b>Power Consumption</b>	Approx. 130W	Approx. 130W
<b>Rack Mountable</b>	Yes (3U)	Yes (3U)
<b>Remote Monitoring</b>	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)	Yes (Microsoft Internet Explorer, WV-ASM100 Series, WV-ASM200 Series, WV-ASM970)

	Video Encoder 
<b>Model</b>	WJ-GXE500
<b>Product Type</b>	4CH Video Encoder
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG
<b>Video Inputs/Outputs</b>	4 (Input)
<b>Audio Inputs/Outputs</b>	1 (Input)
<b>Supported Video Resolution</b>	D1 (720 x 480), VGA (640 x 480), QVGA (320 x 240)
<b>Max. fps</b>	30fps/ch at H.264 in all resolutions
<b>Coax PTZ Control</b>	4 (for Panasonic camera)
<b>RS485 Camera Interface</b>	1x RS485, 2/4 wire. Half duplex (for 1-4 CH).
<b>Network I/F</b>	1x 10/100 Base-TX
<b>SD Memory Card Slot</b>	Yes (SDHC)
<b>SD Card Recording</b>	1fps (JPEG)
<b>Functions</b>	Face Detection (CH1 only), Dual Stream, RTP over HTTP
<b>Power/Power Consumption</b>	PoE, 12VAC/6W
<b>Rack Mountable</b>	Optional (3 units for 1U) (WV-Q204/2S)

	Video Decoder 
<b>Model</b>	WJ-GXD400
<b>Product Type</b>	6CH HD1080i Video Decoder
<b>Supported Video Compression</b>	H.264 / MPEG-4 / M-JPEG
<b>Video Inputs/Outputs</b>	HDMI x1 (Output) NTSC Composite (BNC) x1 (Output)
<b>Audio Inputs/Outputs</b>	HDMI x1 (Output) RCA x1 (Output)
<b>Supported Video Resolution</b>	1.3MP (1280 x 960), VGA (640 x 480), QVGA (320 x 240)
<b>Display Pattern</b>	Single (1x 1280 x 960), 3 split-screen (1x 1280 x 960, 2x VGA), 6 split-screen (6x VGA)
<b>Max. fps</b>	30fps/ch at H.264 in VGA
<b>Network I/F</b>	1x 100/1000 Base-T
<b>Functions</b>	HD1080i HDMI Output
<b>Power/Power Consumption</b>	12VDC/12VDC, 1.4A
<b>Rack Mountable</b>	Optional (2 units for 1U) (WV-Q204/1S, WV-Q204/2S)

	Center Adaptor 	Camera Adaptor 
<b>Model</b>	BY-HPE11KTA (including 1x center adaptor and 1x camera adaptor)	
<b>Product Type</b>	Coaxial-LAN Converter with PoE Function	
	Center Adaptor	Camera Adaptor
<b>Transmission Speed (UDP) *1</b>	45Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])	
<b>Transmission Speed (TCP) *1</b>	35Mbps or higher (when using an RG-59/U coaxial cable of less than 3,937 ft. [1.2km])	
<b>Max. Transmission Distance</b>	Without PoE function: Max. 6,561 ft. [2km] (w/ RG-6/U) / Max. 3,937 ft. [1.2km] (w/ RG-59/U) With PoE Function: Max. 1,640 ft. [500m] (w/ RG-6/U) / Max. 656 ft. [200m] (w/ RG-59/U)	
<b>Coaxial I/F</b>	1x BNC	1x BNC
<b>Network I/F</b>	1x 10/100 Base-TX	1x 10/100 Base-TX, PoE *2
<b>Functions</b>	PoE capability for IP cameras Plug & Play (No Setup Required)	
<b>Operating Temperature</b>	32°F to 122°F (Center adaptor)	14°F to 122°F (Camera adaptor)
<b>Power</b>	100-240VAC	Power supplied through the coax cable from the center adaptor
<b>Power Consumption</b>	Max. 28W (including the power consumption of the camera adaptor)	Max. 15.4W (PoE capability)
<b>Rack Mountable</b>	Optional (4 center adaptors for 1U) (BY-HCA10A)	-

\*1 This value is for transmission between the center adaptor and the camera adaptor. \*2 PoE function is available for Panasonic IP cameras only.

Functions		WV-ASM200 + WV-ASE201 with Extension Software	WV-ASM200 Management Software
<b>Main Functions/Description</b>		Live / Playback / Control	Live / Playback / Control
<b>Supported Video Formats</b>		H.264 / MPEG-4 / M-JPEG	H.264 / MPEG-4 / M-JPEG
<b>Supported Video Aspect Ratio</b>		4:3 / 16:9	4:3 / 16:9
<b>Supported Devices</b>	<b>Camera</b>	<b>Direct</b>	i-PRO series <sup>1</sup>
		<b>Via Recorder</b>	i-PRO series <sup>1</sup> , BB series <sup>2</sup> , Axis <sup>2</sup>
	<b>Recorder</b>	<b>NVR</b>	WJ-ND400, WJ-ND300/300A, WJ-ND200, WJ-NV200
		<b>DVR</b>	WJ-HD716/616, WJ-HD309A/316A, WJ-RT416 series
	<b>Encoder</b>	WJ-GXE500, WJ-NT304, WJ-NT314	WJ-GXE500, WJ-NT304, WJ-NT314
<b>Controller</b>	WV-CU950	No	
<b>Max. Devices</b>	<b>Camera</b>	<b>Direct</b>	256
		<b>Via Recorder</b>	6,400 (with WJ-ND400 series) 3,200 (with WJ-ND300 series)
		<b>Via Encoder</b>	256
	<b>Recorder</b>	100	100
	<b>Encoder</b>	64	64
	<b>Controller</b>	1	No
<b>Camera Control</b>		Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)	Yes (PTZ, Preset, Auto mode, Click centering, Wheel zoom)
<b>Recorder Control</b>		Yes (Playback, REC etc.)	Yes (Playback, REC etc.)
<b>Multi-Screen Pattern</b>		1 / 4 / 9 / 16	1 / 4 / 9 / 16
<b>Display Performance</b>		30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps	30ips x 16 screens @ MPEG4 2Mbps/H.264 1.5Mbps
<b>AVMD Display (Frame and Tracking Line)</b>		Yes	Yes
<b>Multiple Monitors Supported</b>		Yes (Up to 3 monitors: Operation / Live / Map)	No
<b>Map Function</b>		Yes	No
<b>Audio<sup>3</sup></b>		Yes (Live: 2-way, Playback: 1-way)	Yes (Live: 2-way, Playback: 1-way)
<b>Supported Alarm</b>		Panasonic Alarm Protocol	Panasonic Alarm Protocol
<b>Event Search (T&amp;D, Event type etc.)</b>		Yes	Yes
<b>VMD Search</b>		Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)	Yes (with WJ-ND400, WJ-HD716/616, WJ-NV200)
<b>Image Download</b>		Yes	Yes
<b>RTP over HTTP (from Recorders)</b>		Yes	Yes
<b>RTP over HTTP (from IP Cameras)<sup>3</sup></b>		No	No
<b>Camera SDHC/SD Card Recording Support</b>		No	No

\*1 Except model WV-NM100.

\*2 Specific models only. Camera control is not supported. Supported video format is limited.

\*3 Only Panasonic i-PRO series are supported.

## BB-HNP17A

### Camera Management Recording Software

- Images can be recorded for up to 64 cameras • Customizable settings and browser screens
- Record and play H.264, MPEG-4 and JPEG images • Remote access by browser
- Easy to use graphical user interface (GUI), simplified icons • Alarm trigger recording (JPEG only)
- Scheduled preset position recording • E-mail alert when alarm is detected
- Search images quickly via keyword or date/time





Lens Models		Camera Models			WV-NW502S	WV-NP502/SP509/ SP508	WV-SP306/305	WV-SP302
Size	Model	Focal length (mm)	Aperture Ratio	Auto Iris				
1/3"	PLAMP2206	2.2	f1.3	Y	.	.	.	.
1/3"	PLAMP2406	2.4~6.0	f1.2	Y	.	.	.	.
1/3"	PLAMP2812	2.8~12.0	f1.4	Y	.	.	.	.
1/3"	PLAMP0550	5.0~50.0	f1.4	Y	.	.	.	.
1/3"	WV-LZA62/2	2.8~6.0	f1.4 (W); f1.2 (T)	Y	.	.	.	.

Lens Models		Camera Models			WV-CW504 series	WV-CL930 series	WV-CP500 series	WV-CP300 series
Size	Model	Focal length (mm)	Aperture Ratio	Auto Iris				
1/3"	PLA22T3DN	2.2	f1.2	Y	.	.	.	.
1/2"	PLAHS1770	7.0~70.0	f1.8	N	.	.	.	.
1/3"	PLZ15/33	15.0~50.0	f1.5	Y	.	.	.	.
1/3"	PLZ20/5	20.0~100.0	f1.6	Y	.	.	.	.
1/3"	PLZ27/5DN	2.7~13.5	f1.3	Y	.	.	.	.
1/3"	PLZ29/27	2.9~8.0	f0.95	Y	.	.	.	.
1/3"	PLZ5/10	5.0~50.0	f1.6	Y	.	.	.	.
1/3"	PTVR0916DC	9.0~22.0	f1.6	Y	.	.	.	.
1/3"	WV-LZ62/8S	5.0~40.0	f1.6 (W); f1.9 (T)	Y	.	.	.	.
1/3"	WVLZA61/2S	3.8~8.0	f1.4 (W); f1.8 (T)	Y	.	.	.	.

# HOUSING AND CAMERA REFERENCE CHART





































Housing Model	Housing Features										Camera Models															
	Indoor	Outdoor	Vandal	Pendant Mount	Wall Mount	Smoke Dome	Clear Dome	Recessed Ceiling	Heater/Blower	WV-SW559/ 558/355/352	WV-SP509/508	WV-SP306/305/302	WV-SP105/102	WV-SF549/548/ 346/342	WV-SF336/335/332	WV-SC386	WV-SC385/384	WV-NW502S	WV-CW504S/F	WV-CW364S/334S	WV-CS584	WV-CP500 Series	WV-CP300 Series	WV-CF504	WV-CF300 Series	
PCM484S		•								•					•										•	
PDM9	•					•		•							•										•	
PHM484S		•								•					•										•	
PID5CN	•						•	•							•										•	
PID5SN	•						•	•							•										•	
PID9	•					•		•																		
PIDV7CN	•														•											
PIDV7SN	•														•											
PISM5V	•			•	•										•										•	
POD7CN		•		•			•	•							•	•										
POD7CWN		•		•			•	•							•	•										
POD8CF		•		•			•	•															•			
POD8CWF		•		•			•	•															•			
POD9CA (SILVER)		•		•			•	•							•											
POD9CTA (WHITE)		•		•			•	•							•											
POD9CWA (SILVER)		•		•			•	•							•											
POD9CWTA (WHITE)		•		•			•	•							•											
PODV7CPNS		•	•	•			•	•								•										
PODV7CWNS		•	•	•			•	•								•										
POH1000	•	•			•						•	•	•	•									•	•		
POH1000HB		•			•			•			•	•	•	•									•	•		
POH1000NWM		•			•			•			•	•	•	•									•	•		
POH1500HB		•			•			•			•	•	•	•									•	•		
POSM5V		•													•										•	
PPFD9C		•			•	•	•								•											
PPM484S		•								•					•										•	
PRCM1	•							•			•				•									•	•	
PS484S		•								•					•										•	
PWM484S		•								•					•										•	

Bracket Model	Features							Camera Models																
	Indoor	Outdoor	Vandal	Pendant Mount	Wall Mount	Smoke Dome	Recessed Ceiling	WV-SW559/558/355/352	WV-SW396/395	WV-SC386	WV-SC385/384	WV-SP509/508	WV-SP306/305/302	WV-SP105/102	WV-SF336/335/332	WV-NW502S	WV-CW594	WV-CW504F	WV-CW364S/334S	WV-CS584	WV-CP500 Series	WV-CP300 Series	WV-CF300 Series	
PPRM30G		•			•			•									•							
PPRM30GB		•			•			•									•							
PSRCW200B		•					•										•							
PUM8	•				•							•	•	•							•	•		
PWM20G		•			•			•									•							
PWM20GB		•			•			•									•							
PWM20GS		•			•			•									•							
PWM30G		•			•			•									•							
PWM30GB		•			•			•									•							
WV-Q105	•								•		•									•				
WV-Q115	•	•	•															•						
WV-Q117	•				•															•				
WV-Q118A	•				•				•											•				
WV-Q126	•						•		•											•				
WV-Q154C	•				•						•													
WV-Q154S	•				•	•					•													
WV-Q155C	•						•				•													
WV-Q155S	•					•	•				•													
WV-Q156C	•										•													
WV-Q156S	•					•					•													
WV-Q157	•										•													
WV-Q169	•						•	•								•		•	•					
WV-Q174	•						•								•									•

# HOUSING AND BRACKET COMPATIBILITY CHART



							
			PACA2/PACA2B	PAPM3/PAPM3B	PHM5	PPMF12D	PPRM30G/30GB
Housing		Description	Outdoor corner mount bracket	Outdoor pole mount adapter	Hanging mount bracket	Pendant mount bracket	Extended parapet mount
POD9CA		Outdoor pendant mount housing, silver	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
POD9CTA		Outdoor pendant mount housing, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
POD9CWA		Outdoor housing, wall mount, silver	.	.			
POD9CWTA		Outdoor housing, wall mount, white	.	.			
PODV7CPNS		Outdoor vandal-resistant housing, pendant, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
PODV7CWNS		Outdoor vandal-resistant housing, wall mount, white	.	.			
PODV9CPTA		Outdoor vandal-resistant housing, pendant, white	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.
PODV9CWTA		Outdoor vandal-resistant housing, wall mount, white	.	.			
POH1000		10" outdoor fixed box housing					
POH1000HB		10" outdoor fixed box housing with heater/blower					
POH1000NWM		10" outdoor fixed box housing with heater/blower and PoE+					
POH1500		15" outdoor fixed box housing					
POH1500HB		15" outdoor fixed box housing with heater/blower					
PPFD9C		Pressurized dome housing	w/ optional PWM20G series	w/ optional PWM20G series	.	.	.

						
			PSRCW2000B	PWM20G/ PWM20GB/ PWM20G5	PWM30G/30GB	PWM800
Housing		Description	Outdoor parapet roof top bracket	Parapet mount	Parapet mount	Outdoor wall/pole mount
POD9CA		Outdoor pendant mount housing, silver		.	.	
POD9CTA		Outdoor pendant mount housing, white		.	.	
POD9CWA		Outdoor housing, wall mount, silver	.			
POD9CWTA		Outdoor housing, wall mount, white	.			
PODV7CPNS		Outdoor vandal-resistant housing, pendant, white		.	.	
PODV7CWNS		Outdoor vandal-resistant housing, wall mount, white	.			
PODV9CPTA		Outdoor vandal-resistant housing, pendant, white		.	.	
PODV9CWTA		Outdoor vandal-resistant housing, wall mount, white	.			
POH1000		10" outdoor fixed box housing				.
POH1000HB		10" outdoor fixed box housing with heater/blower				.
POH1000NWM		10" outdoor fixed box housing with heater/blower and PoE+				.
POH1500		15" outdoor fixed box housing				.
POH1500HB		15" outdoor fixed box housing with heater/blower				.
PPFD9C		Pressurized dome housing		.	.	

**PACA2**

Corner-Mount Adapter for Dome Housing (Black)

JENNE PART NUMBER:  
PACA2



PACA2

**POH1500HB**

Indoor/Outdoor Housing for Fixed Cameras

- Paintable UV-Resistant Polymer
- Tamper-Resistant Screws
- Sunshield Included
- Easy Installation and Maintenance
- Built-In Heater and Blower
- Comes with Wall-Mount Bracket



POH1500HB

JENNE PART NUMBER:  
POH1500HB

**PPM484S**

Vandal-Resistant Pole Mount

- Weatherproof • Pass through for wire connections
- Pole outdoor mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PPM484S



PPM484S

**PHM484S**

Vandal-Resistant Hanging Mount

- Weatherproof • Pass through for wire connections
- Made of 1" thick steel tubing
- Beige powder coat finish
- Outdoor hanging mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PHM484S



PHM484S

**PACA2B**

Corner-Mount Adapter for Dome Housing (Beige)

• Metal Corner Mount Bracket  
JENNE PART NUMBER:  
PACA2B

**PAPM3, PAPM3B**

Pole-Mount Adapter for Dome Housing

• For Pole Mounting  
JENNE PART NUMBER:  
PAPM3 Black  
PAPM3B Beige



PAPM3

**PS484S**

Vandal-Resistant Shroud

- Durable cast aluminum construction
- 1 1/2" NPT thread for easy mounting
- Weatherproof

JENNE PART NUMBER:  
PS484S



PS484S

**PCM484S**

Vandal-Resistant Corner Mount

- Weatherproof • Pass through for wire connections
- Corner outdoor mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PCM484S



PCM484S

**PWM484S**

Vandal-Resistant Wall Mount

- Weatherproof • Pass through for wire connections
- Outdoor wall mount for WV-CW244S, WV-CW484S, WV-NW484S and WV-NW502S cameras

JENNE PART NUMBER:  
PWM484S



PWM484S

MONITOR DISPLAYS

**PLCD15V**

15" LCD Monitor

- Screen resolution: 1,024 x 768
- Contrast ratio: 600 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 160°/160°
- Brightness: 250cd/m<sup>2</sup>
- Active Matrix TFT

JENNE PART NUMBER:  
PLCD15V



PLCD15V

**PLCD20P**

20" LCD Monitor

- Screen resolution: 1,600 x 1,200
- Contrast ratio: 800 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 178°/178°
- Brightness: 300cd/m<sup>2</sup> • Active Matrix TFT

JENNE PART NUMBER:  
PLCD20P



PLCD20P

**PLCD24HD**

**24" High Definition LCD Monitor**

- Screen resolution: 1,920 x 1,200 • Contrast ratio: 1,000 : 1
- 2x BNC composite inputs, S-Video and RGB
- Viewing angle: 160°/160°
- Brightness: 400cd/m<sup>2</sup>
- Active Matrix TFT
- DVI and HDMI inputs

**JENNE PART NUMBER:**  
**PLCD24HD**



PLCD24HD

**PLCD42HD**

**42" High Definition LCD Monitor**

- Screen resolution: 1,920 x 1,200
- Contrast ratio: 1300: 1
- 2x BNC composite inputs with loop through outputs, S-Video and RGB
- Viewing angle: 178° / 178°
- Brightness: 500 cd/m<sup>2</sup>
- Active Matrix TFT with approx. 16.7 million colors
- DVI and HDMI inputs

**JENNE PART NUMBER:**  
**PLCD42HD**



PLCD42HD

**MATRIX AND CONTROL SYSTEMS**

**PMPU2000**

**System Management Server**

- Linux based system management server, No device license fees
- Satellite feature allows linking 64 PMPU1000 standalone systems to a global system with universal cross network access
- Supports up to 2,048 alarm inputs and various alarm source types and management, supports up to 2,048 event schedules
- Flexible system design for use with both analog and IP systems
- 16 Simultaneous operators per local system
- Operator management, priority, access and timer executed restrictions
- 3x Built-in network interfaces (10Base-T/100Base-TX)

**JENNE PART NUMBER:**  
**PMPU2000**



PMPU2000

**WJ-SX650**

**Mid-Range Matrix Switcher**

- Easy configuration • Compact • Supports up to 1,024 alarm inputs
- 256 inputs x 32 outputs, expandable up to 512 x 64
- Simple set-up with administrator console
- Seamless control integration with WJ-HD300A and WJ-RT416 DVR series

**JENNE PART NUMBER:**  
**WJ-SX650**



WJ-SX650

**WV-ASM970**

**Management Software for PMPU1000**

- Dedicated GUI (Graphic User Interface) for PMPU1000 • Multi-split screen (1/4/7/9/10/13/16 split) support
- Two monitor operation is available (1st: map & operation, 2nd: live and playback video)
- Up to 30 ips/camera can be displayed in 16 split-screen in H.264 1.5 Mbps mode with VGA
- Camera Control (PTZ, Preset, Iris, Auto function and so on) supported
- Up to 100 map (JPEG or Bitmap) with up to 64 camera icons in a map
- File converter is included • One license per PMPU1000 server, includes up to 64 WV-ASM970 installations

**JENNE PART NUMBER:**  
**WV-ASM970**



WV-ASM970

**WV-CU650**

**System Controller**

- Control of Panasonic switchers and digital recorders
- PTZ camera control • Separate 3D joystick control
- Panasonic digital recorders control buttons and jog/sechuttle
- Enables complete cascade function for WJ-HD300A DVR Series
- RS485 data port for PS
- Data link or terminal mode

**JENNE PART NUMBER:**  
**WV-CU650**



WV-CU650

**WV-CU950**

**System Controller**

- Control of Panasonic switchers and digital recorders
- PTZ camera control • Separate 3D joystick control
- Panasonic digital recorders control buttons and jog/sechuttle
- Data link or terminal mode
- 10Base-T/100Base-TX Ethernet port
- RS485 data port for PS

**JENNE PART NUMBER:**  
**WV-CU950**



WV-CU950