



LUMIX GH6 Camera DC-GH6

TYPE

Type	Digital Single Lens Mirrorless camera
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Lens mount	Micro Four Thirds mount
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IMAGE SENSOR

Type	Live MOS sensor (17.3 x 13.0 mm)
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Camera effective pixels / Total pixels	25.21 megapixels / 26.52 megapixels
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AR (Anti Reflection) coating	Yes
Aspect ratio / Color filter	4:3 / Primary color filter
Dust reduction system	Image sensor shift type

LATITUDE

Dynamic Range Boost ON: 13+ stops (V-Log)
Dynamic Range Boost OFF: 12+ stops (V-Log)

STILL IMAGE

Recording file format	JPEG (DCF, Exif 2.31), RAW	
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1	
File size (Pixels)	4:3	5776x4336(L) / 4096x3072(M) / 2944x2208(S) / 11552x8672(XL)* / 8192x6144(LL)* *High Resolution Mode.
	3:2	5776x3848(L) / 4096x2728(M) / 2944x1960(S) / 11552x7696(XL)* / 8192x5464(LL)* *High Resolution Mode.
	16:9	5776x3248(L) / 4096x2304(M) / 2944x1656(S) / 11552x6496(XL)* / 8192x4608(LL)* *High Resolution Mode.



1:1

4336x4336(L) / 3072x3072(M) / 2208x2208(S) / 8672x8672(XL)* /
6144x6144(LL)* *High Resolution Mode.

Image quality

RAW / RAW+Fine / RAW+Standard / Fine / Standard

Color space

sRGB, AdobeRGB

MOTION PICTURE

Recording file format

MOV: H.264/MPEG-4 AVC, H.265/HEVC, Apple ProRes
MP4: H.264/MPEG-4 AVC, H.265/HEVC

Audio format

MOV: LPCM (2ch 48kHz/24-bit, 96kHz/24-bit*) (4ch 48kHz/24-bit**, 96kHz/24-bit**)
MP4: AAC (2ch 48kHz/16-bit)

*When attaching Φ 3.5mm microphone or DMW-XLR1 (sold separately). **When attaching DMW-XLR1 (sold separately).

System frequency

59.94Hz / 50.00Hz / 24.00Hz

Image area of video

Full / Pixel by Pixel

MOV (*1) (*2) *HLG is selectable.

59.94Hz [5.8K] 5760x4320 (4:3)

29.97p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
23.98p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

59.94Hz [5.7K] 5728x3024 (17:9)

59.94p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
47.95p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)



29.97p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
23.98p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

59.94Hz [4.4K] 4352x3264 (4:3)

59.94p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
47.95p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

59.94Hz [C4K] 4096x2160

119.88p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
59.94p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
59.94p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
47.95p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
47.95p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
29.97p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
29.97p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
23.98p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
23.98p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

59.94Hz [4K] 3840x2160

119.88p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
59.94p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
59.94p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
47.95p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
47.95p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
29.97p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)



29.97p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
23.98p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
23.98p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

59.94Hz [FHD] 1920x1080

239.76p, 800Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)*/**
239.76p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*/**
119.88p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)*
119.88p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
59.94p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
59.94p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
59.94i, 100Mbps (4:2:2 10-bit ALL-Intra) / 50Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
47.95p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
47.95p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
29.97p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
29.97p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
23.98p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
23.98p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.
**When Image Area of Video is set to FULL.



50.00Hz [5.8K] 5760x4320 (4:3)

25.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

50.00Hz [5.7K] 5728x3024 (17:9)

50.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
25.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

50.00Hz [4.4K] 4352x3264 (4:3)

50.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

50.00Hz [C4K] 4096x2160

100.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
50.00p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
50.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
25.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
25.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

50.00Hz [4K] 3840x2160

100.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
50.00p, 800Mbps (4:2:2 10-bit ALL-Intra) / 600Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
50.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
25.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
25.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

50.00Hz [FHD] 1920x1080

200.00p, 800Mbps (4:2:2 10-bit ALL-Intra) / 200Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)*/**
200.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*/**



100.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)*
 100.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
 50.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
 50.00p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
 50.00i, 100Mbps (4:2:2 10-bit ALL-Intra) / 50Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
 25.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
 25.00p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
 *When Dynamic Range Boost is set to OFF.
 *When USB-SSD is set to OFF.
 **When Image Area of Video is set to FULL.

24.00Hz [5.8K] 5760x4320 (4:3)

24.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

24.00Hz [5.7K] 5728x3024 (17:9)

48.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
 24.00p, 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

24.00Hz [4.4K] 4352x3264 (4:3)

48.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)

24.00Hz [C4K] 4096x2160

120.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
 24.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
 24.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
 *When Dynamic Range Boost is set to OFF.
 *When USB-SSD is set to OFF.

24.00Hz [4K] 3840x2160

120.00p, 300Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
 24.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit



LongGOP) (H.264/MPEG-4 AVC, LPCM)
24.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

24.00Hz [FHD] 1920x1080

120.00p, 400Mbps (4:2:2 10-bit ALL-Intra) / 150Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)*
120.00p, 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*
24.00p, 200Mbps (4:2:2 10-bit ALL-Intra) / 100Mbps (4:2:2 10-bit LongGOP) (H.264/MPEG-4 AVC, LPCM)
24.00p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)
*When Dynamic Range Boost is set to OFF.
*When USB-SSD is set to OFF.

MP4 (*1)

59.94Hz [4K] 3840x2160

59.94p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)*
29.97p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)*
23.98p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)*
29.97p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)
23.98p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)
*HLG is selectable.

59.94Hz [FHD] 1920x1080

59.94p, 28Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)
29.97p, 20Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)
23.98p, 24Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

50.00Hz [4K] 3840x2160

50.00p, 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)*
25.00p, 72Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, AAC)*
25.00p, 100Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)
*HLG is selectable.



50.00Hz [FHD] 1920x1080

50.00p, 28Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

25.00p, 20Mbps (4:2:0 8-bit LongGOP) (H.264/MPEG-4 AVC, AAC)

24.00Hz -

-

Apple ProRes (*1) (*2)

59.94Hz [5.7K] 5728x3024 (17:9)

29.97p, 1.9Gbps (Apple ProRes 422 HQ) / 1.3Gbps (Apple ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

23.98p, 1.5Gbps (Apple ProRes 422 HQ) / 1.0Gbps (Apple ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

59.94Hz [C4K] 4096x2160 (*5)

59.94p, 1.9Gbps (ProRes 422 HQ) / 1.3Gbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

29.97p, 972Mbps (ProRes 422 HQ) / 648Mbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

23.98p, 778Mbps (ProRes 422 HQ) / 519Mbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

59.94Hz [FHD] 1920x1080 (*5)

59.94p, 454Mbps (ProRes 422 HQ) / 302Mbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

29.97p, 227Mbps (ProRes 422 HQ) / 151Mbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

23.98p, 181Mbps (ProRes 422 HQ) / 121Mbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

50.00Hz [5.7K] 5728x3024 (17:9)

25.00p, 1.6Gbps (Apple ProRes 422 HQ) / 1.1Gbps (Apple ProRes 422)
(H.264/MPEG-4 AVC, LPCM)

50.00Hz [C4K] 4096x2160 (*5)

50.00p, 1.6Gbps (ProRes 422 HQ) / 1.1Gbps (ProRes 422)
(H.264/MPEG-4 AVC, LPCM)



	25.00p, 811Mbps (ProRes 422 HQ) / 541Mbps (ProRes 422) (H.264/MPEG-4 AVC, LPCM)
50.00Hz [FHD] 1920x1080 (*5)	50.00p, 378Mbps (ProRes 422 HQ) / 252Mbps (ProRes 422) (H.264/MPEG-4 AVC, LPCM) 25.00p, 189Mbps (ProRes 422 HQ) / 126Mbps (ProRes 422) (H.264/MPEG-4 AVC, LPCM)
24.00Hz [5.7K] 5728x3024 (17:9)	24.00p, 1.5Gbps (Apple ProRes 422 HQ) / 1.0Gbps (Apple ProRes 422) (H.264/MPEG-4 AVC, LPCM)
24.00Hz [C4K] 4096x2160 (*5)	24.00p, 779Mbps (ProRes 422 HQ) / 519Mbps (ProRes 422) (H.264/MPEG-4 AVC, LPCM)
24.00Hz [FHD] 1920x1080 (*5)	24.00p, 182Mbps (ProRes 422 HQ) / 121Mbps (ProRes 422) (H.264/MPEG-4 AVC, LPCM)

VARIABLE FRAME RATE

MOV (*1) *HLG is selectable.	59.94Hz [5.7K] 5728x3024 (17:9)	29.97p (Maximum output of sensor is 60fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)* 23.98p (Maximum output of sensor is 60fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)* *When Image Area of Video is set to FULL.
	59.94Hz [C4K] 4096x2160	59.94p (Maximum output of sensor is 120fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)* 29.97p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)



29.97p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

23.98p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

59.94Hz [4K] 3840x2160

59.94p (Maximum output of sensor is 120fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

29.97p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

29.97p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

23.98p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

23.98p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

59.94Hz [FHD] 1920x1080

59.94p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

59.94p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

29.97p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

29.97p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*



23.98p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

23.98p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 120fps when Image Area of Video is set to PIXEL/PIXEL.

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

50.00Hz [5.7K] 5728x3024 (17:9)

25.00p (Maximum output of sensor is 60fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*When Image Area of Video is set to FULL.

50.00Hz [C4K] 4096x2160

50.00p (Maximum output of sensor is 120fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

25.00p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

25.00p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

50.00Hz [4K] 3840x2160

50.00p (Maximum output of sensor is 120fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

25.00p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

25.00p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to



ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

50.00Hz [FHD] 1920x1080

50.00p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

50.00p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

25.00p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

25.00p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 120fps when Image Area of Video is set to PIXEL/PIXEL.

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

24.00Hz [5.7K] 5728x3024 (17:9)

24.00p (Maximum output of sensor is 60fps), 200Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*When Image Area of Video is set to FULL.

24.00Hz [C4K] 4096x2160

24.00p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)

24.00p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

24.00Hz [4K] 3840x2160

24.00p (Maximum output of sensor is 60fps), 400Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)



24.00p (Maximum output of sensor is 120fps), 150Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

24.00Hz [FHD] 1920x1080

24.00p (Maximum output of sensor is 240fps), 200Mbps (4:2:2 10-bit ALL-Intra) (H.264/MPEG-4 AVC, LPCM)*

24.00p (Maximum output of sensor is 300fps), 100Mbps (4:2:0 10-bit LongGOP) (H.265/HEVC, LPCM)*

*Maximum output of sensor is 120fps when Image Area of Video is set to PIXEL/PIXEL.

*Maximum output of sensor is 60fps when Dynamic Range Boost is set to ON.

*Maximum output of sensor is 60fps when USB-SSD is set to ON.

EXTERNAL USB-SSD RECORDING (*6)

Yes (ON / OFF)

HDMI RAW DATA OUTPUT (*5)

Compatible external devices

ATOMOS HDMI field monitor/recorder "Ninja V+" (AtomOS 10.77 or better)/"Ninja V" (AtomOS 10.77 or better)

*Selectable recording mode depends on the firmware version of ATOMOS Ninja V+ or ATOMOS Ninja V.

*Please refer to the ATOMOS website for the information on the corresponding firmware version of ATOMOS Ninja V+ or ATOMOS Ninja V.

*Recording of some recording qualities is not available with the "Ninja V".

*Software that supports Apple ProRes RAW is required to edit RAW video recorded with ATOMOS Ninja V+ or ATOMOS Ninja V. Apply the LUT (Look up table) available on the following customer supports site to make the



same color grading as V-Log/V-Gamut

https://panasonic.jp/support/global/cs/dsc/download/lut/s1h_raw_lut/

*All functions may not be available depending on the situation.

Rec quality

**NTSC (59.94Hz) [5.8K] 5760x4320
(4:3)** 29.97p, 12-bit (LPCM)
23.98p, 12-bit (LPCM)

**NTSC (59.94Hz) [5.7K] 5728x3024
(17:9)** 59.94p, 12-bit (LPCM)
29.97p, 12-bit (LPCM)
23.98p, 12-bit (LPCM)

**NTSC (59.94Hz) [4.4K] 4352x3264
(4:3)** 59.94p, 12-bit (LPCM)

**NTSC (59.94Hz) [C4K] 4096x2160
(17:9)** 119.88p, 12-bit (LPCM)
59.94p, 12-bit (LPCM)
29.97p, 12-bit (LPCM)
23.98p, 12-bit (LPCM)

**PAL (50.00Hz) [5.8K] 5760x4320
(4:3)** 25.00p, 12-bit (LPCM)

**PAL (50.00Hz) [5.7K] 5728x3024
(17:9)** 50.00p, 12-bit (LPCM)
25.00p, 12-bit (LPCM)

**PAL (50.00Hz) [4.4K] 4352x3264
(4:3)** 50.00p, 12-bit (LPCM)

**PAL (50.00Hz) [C4K] 4096x2160
(17:9)** 100.00p, 12-bit (LPCM)
50.00p, 12-bit (LPCM)



Audio format

LPCM (2ch 48kHz/24-bit, 96kHz/24-bit*) (4ch 48kHz/24-bit**, 96kHz/24-bit**)

*When attaching Φ 3.5mm microphone or DMW-XLR1 (sold separately). **When attaching DMW-XLR1 (sold separately).

VIEWFINDER

Type

OLED Live View Finder

Pixels

Approx. 3.68 million dots

Field of view / Magnification

Approx. 100% / Approx. 1.52x / 0.76x (35mm camera equivalent) with 50 mm lens at infinity; -1.0 m-1, when the aspect ratio is set to 4:3

Eye point / Diopter adjustment

Approx. 21 mm at infinity; -1.0 m-1 / -4.0 - +3.0 (dpt)

Eye sensorYes

REAR MONITOR

Type

TFT LCD monitor with static touch control

Monitor size

Tilt free-angle, 3.0-inch (7.6cm), 3:2 aspect

Pixels

Approx. 1.84 million dots

Field of view

Approx. 100%

FOCUS (*3)

Type

Contrast AF system

DFD technology

Yes

Focus mode

AFS (Single) / AFC (Continuous) / MF

AF mode

Tracking / Full Area AF / Zone (Horizontal/Vertical) / Zone / 1-Area+ / 1-Area / Pinpoint

*Automatic Detection can be turned ON to switch between Human/ Face/Eye/ Animal+Human. Except when Pinpoint is set.

AF detective range

EV -4 - 18 (F2.0, ISO100 equivalent, AFS)

AF custom setting

AF Sensitivity, AF Area Switching Sensitivity, Moving Object Prediction

AF assist light

Yes

AF lock

Set the Fn button in custom menu to AF lock

Focus ring control

Nonlinear / Linear* (90°/ 120°/ 150°/ 180°/ 210°/ 240°/ 270°/ 300°/ 330°/ 360°/ 720°/ 1080°/ Maximum) *When a compatible lens is attached.

Others

AF-ON, AF-ON: Near Shift, AF-ON: Far Shift, Focus Limiter, Focus Peaking, 1-Area AF Moving Speed, Continuous AF (during motion picture recording), Focus/Shutter Priority, Focus Switching for Vert/Hor, AF/AE

Lock Hold, AF+MF, MF Assist, MF Guide, Focus Ring Lock, Show/Hide AF Mode, Shutter AF, Half Press Shutter, Quick AF, Eye Sensor AF, Loop Focus Frame, Enlarged Live Display (Video), Touch Shutter, Touch AF/AE Function, Touch Pad AF, Lens Focus Resume

EXPOSURE CONTROL

Light metering system	1,728-zone multi-pattern sensing system
Light metering mode	Multiple / Center Weighted / Spot / Highlight Weighted
Metering range	EV0-18 (F2.0 lens, ISO100 equivalent)
Mode dial	Program AE (P) / Aperture Priority AE (A) / Shutter Priority AE (S) / Manual Exposure (M) / Creative Video (P/A/S/M)* / Custom 1, 2, 3, 4 / Intelligent Auto *The same exposure operations as P/A/S/M mode is available.
Exposure compensation	1/3 EV step ± 5 EV (± 3 EV for motion picture)
Dynamic Range Boost	ON / OFF
ISO sensitivity (Standard output sensitivity)	Still image [Normal] Auto / 50 (Extended ISO) / 100-25600 [V-Log] Auto / 125 (Extended ISO) / 250-12800

*Switchable between 1/3 or 1 EV step.



Motion picture

[Normal]

Dynamic Range Boost OFF (Base ISO 100): Auto / 50 (Extended ISO) / 100-12800

Dynamic Range Boost ON (Creative Video Mode) (Base ISO 800): Auto / 800-12800

[V-Log]

Dynamic Range Boost OFF (Base ISO 250): Auto / 125 (Extended ISO) / 250-12800

Dynamic Range Boost ON (Creative Video Mode) (Base ISO 2000): Auto / 2000-12800

[Hybrid Log Gamma]

Dynamic Range Boost OFF (Base ISO 250): Auto / 250-12800

Dynamic Range Boost ON (Creative Video Mode) (Base ISO 2000): Auto / 2000-12800

[HDMI RAW Data Output] (*5)

Dynamic Range Boost OFF (Base ISO 250): Auto / 250-12800

Dynamic Range Boost ON (Creative Video Mode) (Base ISO 2000): Auto / 2000-12800 (*6)

*Switchable between 1/3 or 1 EV step.

AE lock

Set the Fn button in custom menu to AE lock

IMAGE STABILIZATION SYSTEM

I.S. (5-axis / 7.5-stop*)

*Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=60mm (35mm camera equivalent f=120mm) when H-ES12060 is used.

Dual I.S. 2 (7.5-stop**)

**Based on the CIPA standard [Yaw/Pitch direction: focusing distance f=140mm (35mm camera equivalent f=280mm) when H-FS14140 is used.

WHITE BALANCE

White balance	AWB / AWBc / AWBw / Daylight / Cloudy / Shade / Incandescent / Flash / White Set 1, 2, 3, 4 / Color temperature setting 1, 2, 3, 4
White balance adjustment	Blue/Amber bias, Magenta/Green bias
Color temperature setting	2500-10000K in 100K

SHUTTER

Type	Focal-plane shutter
Shutter speed	Still image: Bulb (Max. 30 minutes), 1/8,000 - 60 Electronic front curtain shutter: Bulb (Max. 30 minutes), 1/2,000 - 60 Electronic shutter: Bulb (Max. 60 sec), 1/32,000 - 60 Motion picture: 1/25,000 - 1/25 Creative Video M mode / MF mode: 1/25,000 - 1/8
Self timer	10sec, 3 images / 2sec / 10sec / Custom Time
Remote control	Remote control by DMW-RS2 (sold separately)

Silent mode / Shutter type

Yes / Yes (Auto / Mechanical / Electronic front curtain / Electronic / Electronic+NR)

BRACKET

AE bracket3, 5, 7 images in 1/3, 2/3 or 1 EV step, max. ± 3 EV, single/burst**Aperture bracket**

3, 5 or all positions

Focus bracket

1 to 999 images, focus steps can be set in 10 levels

White balance bracket3 images in blue/amber axis or in magenta/green axis, color temperature setting

BURST SHOOTING

Burst speed**Mechanical shutter / Electronic front curtain shutter**

H: 14 frames/sec (AFS/MF), 8 frames/sec (AFC) (with Live View)
M: 6 frames/sec (AFS/MF) (with Live View), 5 frames/sec (AFC) (with Live View)
L: 2 frames/sec (AFS/MF/AFC) (with Live View)

Electronic shutter

SH75: 75 frames/sec (AFS/MF)
SH60: 60 frames/sec (AFS/MF)
SH20: 20 frames/sec (AFS/MF)
H: 14 frames/sec (AFS/MF), 7 frames/sec (AFC) (with Live View)
M: 6 frames/sec (AFS/MF) (with Live View), 5 frames/sec (AFC) (with Live View)
L: 2 frames/sec (AFS/MF/AFC) (with Live View)



Number of recordable images

H/M/L*

RAW+JPEG: More than 40 images

RAW: More than 65 images**, More than 50 images***

JPEG: More than 95 images**, More than 90 images***

*Until the burst shooting speed slows. When recording is performed under the test conditions specified by Panasonic.

**When using a card with CFexpress Type B

***When using a card with SD Speed Class with "UHS-II UHS Speed Class 3 (U3)".

SH

RAW / RAW+JPEG / JPEG: 200 images

TIME LAPSE SHOT

Yes

STOP MOTION ANIMATION

Yes

FLASH

Flash type

TTL External Flash (sold separately)

Flash mode

Auto* / Auto/Red-eye Reduction* / Forced On / Forced On/Red-eye Reduction / Slow Sync. / Slow Sync./Red-eye Reduction / Forced Off *For iA only.

Flash synchronization	1st Curtain Sync, 2nd Curtain Sync.
Flash output adjustment	1/3EV step ±3EV
Synchronization speed	Less than 1/250 second
Wireless control	Yes (When using DMW-FL200L / FL360L / FL580L (sold separately)), Wireless Channel: 1ch/2ch/3ch/4ch
Flash sync socket	Yes

EXTRA TELE CONVERSION

2.0x (EX S), 1.4x (EX M) *Only for still image recording.

PHOTO STYLE

Photo Style	Standard / Vivid / Natural / L. Classic Neo / Flat / Landscape / Portrait / Monochrome / L. Monochrome / L. Monochrome D / L. Monochrome S / Cinelike D2 / Cinelike V2 / Like709 / V-Log / Hybrid Log Gamma / My Photo Style 1-10
Picture adjustment	Contrast / Highlight / Shadow / Saturation / Color Tone / Hue / Filter Effect / Grain Effect / Color Noise / Sharpness / Noise Reduction / ISO / WB *Adjustable settings vary depending on the Photo Style mode.

MOTION PICTURE FUNCTION

Master pedestal level	31 steps
Luminance level	8-bit: 0-255 / 16-235 / 16-255 10-bit: 0-1023 / 64-940 / 64-1023
Wave form monitor / Vectorscope	Selectable
LUT view assist	Supported file types: .vlt, .cube Monitor / HDMI
HLG view assist	Monitor (MODE1 / MODE2 / OFF) / HDMI (AUTO / MODE1 / MODE2 / OFF)
Anamorphic desqueeze display	2.0x / 1.8x / 1.5x / 1.33x / 1.30x / OFF
Synchro scan	Yes
SS/Gain operation	Shutter Duration/ISO / Angle/ISO / Shutter Duration/dB
Color bars / 1kHz test tone	Yes (SMPTE / EBU / ARIB) / Yes
Knee control	Yes (in Like709 mode)

Red REC frame indicator

ON / OFF

VERTICAL POSITION INFORMATION

Still image / Motion picture (ON/OFF)

LEVEL GAUGE

Yes

FUNCTION BUTTON

REC

Exposure Comp. / Dynamic Range Boost / Sensitivity / White Balance / Photo Style / Metering Mode / Aspect Ratio / Picture Quality / Picture Size / 1 Shot Spot Metering / Long Exposure NR / Min. Shutter Speed / 1 Shot RAW+JPG / Filter Effect / One Push AE / Touch AE / Exposure Mode / Synchro Scan / AF Mode / AF Detection Setting / Detecting Subject / AF Custom Setting(Photo) / AF Custom Setting(Video) / Focus Limiter / Focus Limiter Range Set / Focus Peaking / Focus Peaking Sensitivity / 1-Area AF Moving Speed / Focus Ring Lock / AE LOCK / AF LOCK / AF/AE LOCK / AF-ON / AF-ON: Near Shift / AF-ON: Far Shift / Focus Area Set / Enlarged Live Display (Video) / Flash Mode / Flash Adjust. / Wireless Flash Setup / Drive Mode Setting / Bracketing / Silent Mode / Image Stabilizer / Shutter Type / Ex. Tele Conv. / Rec. File Format / Rec Quality / Rec Quality (My List) / Variable Frame Rate / Time Code Display / HDMI RAW Data Output (*5) / Audio Information / Sound Rec Level Disp. / Mute Sound Input / Sound Rec Level Adj. / Sound Rec Quality / Sound Rec Level Limiter / 4ch Mic Input / XLR Mic Adaptor Setting / Sound Monitoring Channel / Image Stabilizer / E-Stabilization (Video) / Boost I.S. (Video) / Image Area of Video / Focus Transition / Q.MENU / Rec/Playback Switch / Video Record / Video Record (Creative Video) / LVF/Monitor Switch / Dial Operation Switch / Preview / Preview Aperture Effect / Constant Preview / Level Gauge / Histogram / Luminance Spot Meter / Frame Marker / Photo Grid Line / Live View Boost / Monochrome Live View / Night Mode / LVF/Monitor Disp. Set / Video-Priority Display / Zebra



Pattern / LUT View Assist (Monitor) / LUT View Assist (HDMI) / LUT Select / HLG View Assist(Monitor) / HLG View Assist (HDMI) / Sheer Overlay / I.S. Status Scope / WFM/Vector Scope / Anamorphic Desqueeze Display / Color Bars / Focus Ring Control/ Zoom Control / Step Zoom / Zoom Speed / Lens Information / Destination Card Slot / Wi-Fi / Fan Mode / Save to Custom Mode / No Setting / Off (Disable Press and Hold) / Restore to Default

PLAY Magnify from AF Point / LUT View Assist (Monitor) / HLG View Assist (Monitor) / Anamorphic Desqueeze Display / RAW Processing / Delete Single / Protect / Rating 1, 2, 3, 4, 5 / Copy / Rec/Playback Switch / LVF/Monitor Switch / Video Record / Video Record (Creative Video) / Night Mode / Card Slot Change / Sound Monitoring Channel(Play) / Wi-Fi / Fan Mode / Send Image (Smartphone) / LUT View Assist (HDMI) / HLG View Assist (HDMI) / No Setting / Off (Disable Press and Hold) / Restore to Default

OSD LANGUAGE

Please refer to "OSD" Sheet

PRINT

PictBridge compatible

INTERFACE

USB USB Type-C (SuperSpeed USB 10Gbps (USB 3.2 Gen2))

HDMI ()**

HDMI

HDMI TypeA

Audio: ON / OFF, MP4: 2ch, MOV: 2ch (When [4ch Mic Input] is set to OFF.), 4ch (When [4ch Mic Input] is set to ON.)



Monitor-through

4:2:2 10bit (When [Rec Quality] is set to [4:2:2 10bit] or [4:2:0 10bit].)

4:2:2 8bit (When [Rec Quality] is set to [4:2:0 8bit].)

Down Convert: Auto / C4K/4K / 1080p / 1080i / OFF

Playback

59.94Hz: 8K/30p* / C4K/120p** / C4K/60p / C4K/30p / 4K/120p** / 4K/60p / 4K/30p / 1080/120p / 1080p / 1080i / 720p** / 480p**

50.00Hz: 8K/25p* / C4K/100p** / C4K/50p / C4K/25p / 4K/100p** / 4K/50p / 4K/25p / 1080/100p / 1080p / 1080i / 720p** / 576p**

24.00Hz: 8K/24p* / C4K/120p** / C4K/24p / 4K/120p** / 4K/24p / 1080/120p / 1080p

*Only for still image playback. **Only for playback.

Remote input

φ2.5mm

Audio**Build-in microphone**

Stereo

Wind Noise Canceller: OFF / Standard / High

External microphone / External audio device input

φ3.5mm for external microphone / external audio device

MIC (Plug-in Power) / MIC / LINE

Wind Cut: OFF / Low / Standard / High *When attaching DMW-MS2 (sold separately).

Special Mic: Stereo / Shotgun *When attaching DMW-MS2 (sold separately).

XLR microphone

Yes with DMW-XLR1 (sold separately)

4ch mic input

Yes with DMW-XLR1 (sold separately)

Speaker

Monaural



Headphone output	φ3.5mm
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Card slot

Slot 1: CFexpress Card (CFexpress Type B)

Slot 2: SD Memory Card / SDHC Memory Card* / SDXC Memory Card*

*Compatible with UHS-I/UHS-II UHS Speed Class 3 standard SDHC/SDXC Memory Cards and UHS-II Video Speed Class 90 standard SDXC Memory Cards.

TC IN/OUT**TC IN/OUT**Yes with BNC Converter Cable (bundled)

Count upRec Run / Free Run

Time code modeDrop Frame / Non-Drop Frame (When system frequency [59.94Hz] is selected.)

HDMI time code outputON / OFF

External TC settingTC Synchronization / TC Output Reference

FAN

Auto1 / Auto2 / Fast / Normal / Slow / OFF* *OFF can be set when in iA/P/A/S/M mode.

LAMP



WIRELESS

Wi-Fi 2.4GHz (STA/AP) (IEEE802.11b/g/n)
5GHz (STA) (IEEE 802.11a/n/ac)
Security: WPA/WPA2/WPA3
Please refer to "Wi-Fi" sheet

Bluetooth Bluetooth® v5.0 (Bluetooth Low Energy (BLE))

DUST AND SPLASH RESISTANT*

Yes.

*Dust and Splash Resistant does not guarantee that damage will not occur if this camera is subjected to direct contact with dust and water.

POWER

Battery Li-ion Battery Pack (7.2V, 2200mAh, 16Wh) (bundled)
USB power supply, USB power charging, USB power delivery

Battery life (CIPA standard)	When using CFexpress Card	
		Approx. 330 images, 750 images (Power Save LVF mode*) with H-ES12060 / DMW-BLK22
		Approx. 350 images, 800 images (Power Save LVF mode*) with H-FS12060 / DMW-BLK22
		*Using a Lexar CFexpress Type B card. Under the test conditions



specified by Panasonic based on CIPA standard. When the time to get in the sleep mode is set to 1 sec.

When using SD memory card

Approx. 360 images, 850 images (Power Save LVF mode*) with H-ES12060 / DMW-BLK22

Approx. 380 images, 900 images (Power Save LVF mode*) with H-FS12060 / DMW-BLK22

*Using a Panasonic SDXC memory card. Under the test conditions specified by Panasonic based on CIPA standard. When the time to get in the sleep mode is set to 1 sec.

When using external USB-SSD (*6)

Approx. 320 images with H-ES12060 / DMW-BLK22

Approx. 330 images with H-FS12060 / DMW-BLK22

*Using a Samsung external SSD (T5_1TB). Under the test conditions specified by Panasonic based on CIPA standard.

Continuous recordable time (Motion picture) (*1)

When using CFexpress Card

MP4 [4K/60p]: Approx. 80 min with H-ES12060 / H-FS12060

MP4 [FHD/60p]: Approx. 90 min with H-ES12060 / H-FS12060

When using SD memory card

MP4 [4K/60p]: Approx. 90 min with H-ES12060 / H-FS12060

MP4 [FHD/60p]: Approx. 100 min with H-ES12060 / H-FS12060

When using external USB-SSD (*6)

MP4 [4K/60p]: Approx. 70 min with H-ES12060 / H-FS12060

MP4 [FHD/60p]: Approx. 80 min with H-ES12060 / H-FS12060

Actual recordable time (Motion picture) (*1)

When using CFexpress Card

MP4 [4K/60p]: Approx. 40 min with H-ES12060 / H-FS12060

MP4 [FHD/60p]: Approx. 45 min with H-ES12060 / H-FS12060

When using SD memory card

MP4 [4K/60p]: Approx. 45 min with H-ES12060 / H-FS12060



MP4 [FHD/60p]: Approx. 50 min with H-ES12060 / H-FS12060

**When using external USB-SSD
(*6)**

MP4 [4K/60p]: Approx. 35 min with H-ES12060 / H-FS12060

MP4 [FHD/60p]: Approx. 40 min with H-ES12060 / H-FS12060

DIMENSIONS / WEIGHT

Dimensions (W x H x D)

Approx. 138.4 x 100.3 x 99.6 mm / 5.45 x 3.95 x 3.92 inch (excluding protrusions)

Weight

Approx. 823g / 1.81 lb (SD Memory Card x 1, Battery, Body)

Approx. 739g / 1.63 lb (Body only)

OPERATING ENVIRONMENT

Operating temperature (*5)

-10°C to 40°C (14°F to 104°F)

Operating humidity

10%RH to 80%RH

STANDARD ACCESSORIES

Software

Recording

LUMIX Tether

· This software is used to control a Panasonic digital camera from a computer. It allows you to change various settings of the camera, perform remote recording, and save remotely recorded images to the PC. Check the site below to download and install the software.

http://panasonic.jp/support/global/cs/soft/download/d_lumixtether.html

(For Windows / Mac)



LUMIX Sync

· This software is used to control a Panasonic digital camera from a smartphone. Check the site below to download and install the software.
<https://panasonic.jp/support/global/cs/dsc/> (For Android™ / iOS)

Playback / Editing

· The software to process RAW file on computer is not bundled with this camera. To do this, SILKYPIX Developer Studio is available for download at Ichikawa Soft Laboratory's website using computer connected to the Internet.

<http://www.isl.co.jp/SILKYPIX/english/p/> (For Windows / Mac)

Standard accessories

DC-GH6 Kit

Body Cap, Hot Shoe Cover, Eye Cup, Flash Synchro Socket Cap, Shoulder Strap, Battery Pack, Battery Charger, AC Adaptor, USB Connection Cable (A-C), Cable Holder, BNC Converter Cable

DC-GH6L Kit / DC-GH6M Kit

Body Cap, Hot Shoe Cover, Eye Cup, Flash Synchro Socket Cap, Shoulder Strap, Battery Pack, Battery Charger, AC Adaptor, USB Connection Cable (A-C), Cable Holder, , BNC Converter Cable, Lens Cap, Lens Hood, Lens Rear Cap

· The Operating Instructions for advanced features is available for downloaded at Panasonic LUMIX Customer Support Site using PC, smartphone or tablet connected to the Internet.

Note

(*1) About motion picture recording

The cards that can be used for recording vary depending on the motion pictures bit rate and format type.

Motion pictures with 72Mbps or less: CFexpress card, SD memory card with SD Speed Class with Class 10 or Video Speed Class 10 or higher

Motion pictures with 200Mbps or less: CFexpress card, SD memory card with UHS-I / UHS-II UHS Speed Class 3 (U3) or Video Speed Class 30 or higher

Motion pictures with 400Mbps or less: CFexpress card, SD memory card with Video Speed Class 60 or higher

Motion pictures with 600Mbps or less: CFexpress card, SD memory card with Video Speed Class 90

Motion pictures with 800Mbps or more, variable frame rate with ALL-Intra, or Apple ProRes: CFexpress card

- A new file will be created to continue recording if the continuous recording time exceeds the following conditions.

Motion pictures with less than 72Mbps: 30 minutes

Motion pictures with 72Mbps or more: the maximum file size is 4 GB

- A new file will be created to continue recording if the file size exceeds the following conditions.

[MP4] in [FHD]: 4GB

[MP4] in [4K]: 96GB

[MOV] in 600Mbps or less: 192GB

[MOV] in 800Mbps: 640GB

[ProRes] in [5.7K]: 640GB

- 4:2:2 10-bit recording is a recording mode for film production and the video needs to be processed on PC. The original video cannot be played on standard TV, Blu-ray Disc™ recorder and Blu-ray Disc™ player. It may cause problems such as freezing when played on these devices.

- When the ambient temperature is high or continuous recording is performed, the camera may stop the recording to protect itself. Wait until the camera cools down.

(*2) High-res audio is selectable only when attaching Φ 3.5mm microphone or DMW-XLR1 (sold separately).

(*3) About AF

- Continuous AF is not available for High Frame Rate video shooting above 120p (200p or 240p). It will be the AFS operation for 1-Area AF. 200p High Frame Rate video shooting requires a firmware update for the compatible lens.

- Automatic Detection is not available for High Frame Rate video shooting above 60p (100p or 120p).

- Tracking and Automatic Detection are not available when using HDMI cable or USB connection cable for High Frame Rate video shooting (100p or 120p) above 60p.

(*4) To output motion pictures with 4K or higher, use an Ultra High Speed HDMI cable (Type A–Type A plug, up to 1.5 m (4.9 feet) long).

(*5) Firmware must be updated to version 2.0.

(*6) Firmware must be updated to version 2.2.

[Consumer](#) > [Cameras & Camcorders](#) > [LUMIX Mirrorless Cameras](#) > [LUMIX G Mirrorless Cameras](#) > [DC-GH6](#) > [All Specs](#)

