

ZKBioSecurity Access Control Devices List

V1.5 2019.6.30

No.	Device Type	Model Name	Firmware Version	SoftwareVersion	Remark
1	Controller	InBio160 Pro	AC Ver 5.7.7.3033 Jan 20 2018		The Firmware Version: AC Ver 5.7.7.3033 May 13 2019 are working with Face Intellect module to achieve biometrics frictionless access control solution in V5000 version
		InBio260 Pro			
		InBio460 Pro			
2	Standalone Devices	inPulse+	Ver8.0.4.2-20181030 or Above	3.2.0.0_R - V5000	The firmware version Ver 8.0.4.2 - 20181030 or above can be used with ZKBioSecurity3.2.0.0_R & V5000 to support more functions. Such as advanced access control, remote registration, etc.
		ProBio	Ver8.0.4.2-20181030 or Above		
		ProCapture-T	Ver8.0.4.2-20181030 or Above		
		ProRF-T	Ver8.0.4.2-20181030 or Above		
		ProFAC	Ver8.0.4.2-20181030 or Above		
		ProCapture-X	Ver8.0.4.2-20181030 or Above		
		ProCapture-WP	Ver8.0.4.2-20181030 or Above		
		ProRF	ZK-ZLM60-NSNF-Ver2.0.6		
		3	Visible Light Facial Recognition Devices		
FaceDepot-7B	Ver1.0.118 or Above				
SpeedFace-H5	Ver1.0.118 or Above				
SpeedFace-V5	Ver1.0.118 or Above				

ZKBioSecurity Elevator Control Devices List

V1.5 2019.6.30

No.	Devices	Model Name	Connection Mode	Firmware Version	Software Version	Remark
1	Elevator Controller	EC10	Online	Ver 7.0.0 Jul 01 2013 or Above	3.1.5.0_R - V5000	In the Offline mode, Elevator Control module can only support up to 31 Floors and personnel access level can only assigned in maximum 2 Elevators.
			Offline	Contact Technical Support		
2	Elevator Floor Extension Board	EX16	Online/Offline			
3	Mifare Card Encoder	CR20WM	Offline			
4	RS485 Mifare Reader	KR100-RSEC				
5	Mifare Card	S50/S70				





ZKBioSecurity Time Attendance Devices List

V1.2 2019.6.30

No.	Device Type	Model Name	Push Version	Firmware Version	Software Version
1	Standalone Devices (Push)	G1	Ver 2.0.28-20170809 or Above	Ver 8.0.4.1-20170906 or Above	3.1.5.0_R-V5000
2		G2			
3		G3			
4		G3 Plus	Ver 2.0.30-20171110 or Above	Ver 8.0.4.1-20171121 or Above	
5	Visible Light Facial Recognition Devices(Push)	G4	Ver 2.4.0 or Above	Ver 1.0.140 or Above	3.2.0.0_R&V5000

ZKBioSecurity Consumption Module Devices List

V2.0 2019.6.30

No.	Device Type	Model Name	Model Type	Firmware Version	Photo	Software Version	Remark
1	Consumption Device	ProMerc-10	Hanging	Ver 5.3.6.3_E or Above		3.2.0.0_R & V5000	
		ProMerc-20	Desktop	Ver 5.3.6.2_E or Above			
2	Mifare Card Encoder	CR20MW					
3	Mifare Card	S50/S70					

ZKBioSecurity FaceKiosk Module Devices List

V1.0 2019.6.30

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	FaceKiosk	FaceKiosk-V43	V2.1.56	V5000	
2		FaceKiosk-V32			
3		FaceKiosk-H32			
4		FaceKiosk-H21			

ZKBioSecurity Face Intellect Module Devices List

V1.0 2019.8.5

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Camera	FI710	V1.0.17	V5000	FI series camera can act as reader of inBio Pro controller.




ZKBioSecurity Parking Module Devices List

V1.2 2019.6.30

No.	Device Type	Model Name	Software Version
1	LPR Camera	LPRC100	3.1.5.0_R - V5000
2	LPR Integrated Machine	LPRS1000	
		LPRS2000	
3	UHF Card Encoder	UR10R-1E	
		UR10R-1F	
4	UHF Reader	UHF1-10E	
		UHF1-10F	
		UHF 6F Pro	
5	UHF Standalone Device	U2000E	
		U2000F	
6	UHF Card	UHF1-Tag1	
		UHF1-Tag3	
		UHF Parking Card	

ZKBioSecurity Common Hardware Support List

V1.2 2019.6.30

No.	Hardware	Usage	Recommended Accessories						Supported Module	Software Version	Remark
			Country	Brand	Model	USB Cable	Driver	Photo			
1	ID Card Reader	Read Personnel Information From the ID Card	Malaysia	IDENTIV	uTrust 2700 R	✓	NA		Personnel Hotel Visitor	3.1.5.0_R-V5000	
2			U.A.E	ACS	ACR38U-11	✓	NA				
3			Thailand	Zoweetek	12026-3	✓	NA				




ZKBioSecurity Hotel Module Devices List(Optional)

V1.2 2019.6.30

No.	Device Type	Model Name	Software Version	Software Version
1	Hotel Lock	LH1000	3.1.5.0_R - 3.2.0.0_R	For ZKBioSecurityV5000, if any project need using Hotel Module, please contact sales apply for available.
		LH3000		
		LH3600		
		LH4000		
		LH5000		
		LH6000		
		LH6500		
2	Mifare Card Encoder	CR60W		
3	Mifare Card	S50/S70		Record Card must be S70 Mifare Card.

ZKBioSecurity Hardware Support List for Personnel Module

V1.2 2019.6.30

No.	Hardware	Usage	Accessories					Software Version
			Recommended					
			Brand	Model	USB Cable	Driver	Photo	
1	Card Priter	Print the information on the card for employees	FARGO	DTC1250e	✓	Download from HID website		3.1.5.0_R - V5000
2			IDP	SMART-50S	✓	Download from IDP website		
3			ZKTeco	ZKCP100	✓	Download from built-in CD		

ZKBioSecurity Hardware Support List for Visitor Module

V1.5.2019.6.30

No.	Hardware	Usage	Accessories					Software Version	Remark
			Recommended						
			Brand	Model	USB Cable	Driver	Picture		
1	Multifunctional ID Document Scanner for Document Authentication	easily and efficiently scans ID cards, passports, driver licenses, visas, etc.	Desko	PENTA Scanner	✓	NA		3.1.5.0_R-V5000	Desko PENTA scanner can be used with Acuant OCR to support recognition of identity documents from over 190 countries and all 50 US states, and auto-fill the personnel information to ZKBioSecurity Visitor, Personnel and Hotel modules.
2	Fixed mount Barcode Scanner	Read barcodes that printed on the visitor's badge.	ZKTeco	ZKT-BS30 R400	✓	NA			
3	Barcode Scanner (Handheld)	Scan barcode on the visitor receipt or other certificates	MINDEO	MD2250+	✓	NA			
4	Card/Fingerprint Reader	Issue Card or Register fingerprint for visitors.	ZKTeco	CR10E6M/ ZK4500/ ZK8500R/ Live20R	✓	Embed in ZKBioSecurity			
5	High-speed Portable HD Doc Scanner	Take pictures of certificate and signature etc.	ZKTeco	PDS3000	✓	Embed in ZKBioSecurity		3.1.5.0_R-V5000	Main Camera: 5 Mega pixels 2592*1944 Vice Camera: 2 Mega pixels 1600*1200 Scan size: Up to A3 size
6	USB HD Network Camera	Take pictures of visitor's portrait.	Logitech	C525	✓	NA			1.If customers need the camera stand, please noted that in the PO once its order. 2. There are possibilities that when using USB camera and High-speed portable HD Doc Scanner together, those devices will be interference.
7	Receipt Printer	Print common receipt for visitors.	ZKTeco	ZKP8002 (Old Model: TP8016US)	✓	Embed in ZKBioSecurity			
8	Sticker Printer	Print sticker receipt for visitors.	Brother	Brother QL-700	✓	Embed in ZKBioSecurity			1.Create cost-effective paper labels for visitors. Operating ultra-fast. High-quality printing at up to 93 labels per minute, the QL-700 features an auto cutter, giving a clean and accurate owing for printing one or multiple labels at a time, eliminating wasted label sheet. 2.The "Plug & Label" feature supports quick label printing of most basic labels, with no software installation required.

ZKBioSecurity Video Linkage Devices List

V1.4.2019.6.30

Brand	Hardware Type	Series	Model Name	Software Version	Functions						
					Capture (software linkage)	Video Storage		Video Preview	Maximum Connected Devices	Maximum Connected Cameras	
						ZKBioSecurity Server	NVR / DVR				
ZKTeco	IPC		GT-8B513	3.1.5.0_R-V5000	✓	✓	✗	✓	16	16	
			GT-8D513		✓	✓	✗	✓	16	16	
			GT-DC520-P		✓	✓	✗	✓	16	16	
			PT-BA294K2		✓	✓	✗	✓	16	16	
			PT-BA294K4		✓	✓	✗	✓	16	16	
			PT-DA294K2		✓	✓	✗	✓	16	16	
			NVR		GT-NR401	✗	✓	✓	20	80	
			NVR		ZKXV0802S	✗	✓	✓	20	160	
			DVR		GT-ADR401M	✗	✓	✓	20	80	
			DVR/NVR		GT-ADR3208M	✗	✓	✓	20	160	
			NVR		PT-NVRS104	✗	✓	✓	20	80	
			IPC		ZKMD532	✓	✓	✗	✓	16	16
			IPC		ZKIP472	✓	✓	✗	✓	16	16
			IPC		ZKIR572	✓	✓	✗	✓	16	16
NVR(4 channels)	ZK-NV0401	✗	✓	✓	20	80					
HIKVISION	IPC	DS	DS-2CD2012-I	3.1.5.0_R-V5000	✓	✓	✗	✓	16	16	
			DS-7608NI-E2/8P		✓	✓	✓	20	160		
			DS-7316HWI-SH		✓	✓	✓	20	320		
Dahua	IPC		DH-IPC-HFW4100S-V2	3.1.5.0_R-V5000	✓	✓	✗	✓	16	16	
			DH-HAC-HDW1100S		✓	✓	✗	✓	16	16	
			NVR4104H-P		✓	✓	✓	20	160		
			DVR		DH/HCVR4104HS-V3	✓	✓	✓	20	80	
Dahua	HDCVI		HCVRS104H-S2	3.1.5.0_R-V5000	✓	✓	✓	✓	20	80	
			HCVRS104H-S3		✓	✓	✓	20	80		
			XVRS104		✓	✓	✓	20	80		
			HCVRS108H-S2		✓	✓	✓	20	160		
			HCVRS108H-S3		✓	✓	✓	20	160		
			XVRS108		✓	✓	✓	20	160		
			HCVRS116H-S2		✓	✓	✓	20	320		
			HCVRS116H-S3		✓	✓	✓	20	320		
			XVRS116		✓	✓	✓	20	320		
			HCVRS216A-S2		✓	✓	✓	20	320		
			HCVRS216A-S3		✓	✓	✓	20	80		
			HCVR7204A-S2		✓	✓	✓	20	80		
			HCVR4104HS-S2		✓	✓	✓	20	80		
			HCVR4104HS-S3		✓	✓	✓	20	80		
			XVR4104		✓	✓	✓	20	160		
			HCVR4108HS-S2		✓	✓	✓	20	160		
			HCVR4108HS-S3		✓	✓	✓	20	160		
			XVR4108		✓	✓	✓	20	320		
			HCVR4116HS-S2		✓	✓	✓	20	320		
			HCVR4116HS-S3		✓	✓	✓	20	320		
			XVR4116		✓	✓	✓	20	160		
			HCVR4208A-S2		✓	✓	✓	20	160		
			HCVR4216A-S2		✓	✓	✓	20	320		
			HCVR7104H-S3		✓	✓	✓	20	80		
HCVR7108H-S3	✓	✓	✓	20	160						
XVR7104H-4M	✓	✓	✓	20	80						
XVRS216AN	✓	✓	✓	20	320						
Dahua	IPC		PC-HDW4100SP	3.1.5.0_R-V5000	✓	✓	✗	✓	16	16	
			IPC-HDW4421MP		✓	✓	✗	✓	16	16	
			IPC-HFW5202CP		✓	✓	✗	✓	16	16	
			IPC-HFW-1220SP		✓	✓	✗	✓	16	16	
			IPC-HFB301EP		✓	✓	✗	✓	16	16	
			HFW4300EP		✓	✓	✗	✓	16	16	
			HFW2100RP-VF		✓	✓	✗	✓	16	16	
			HFW2320RP-ZS		✓	✓	✗	✓	16	16	
			IPC-HDW1220SP		✓	✓	✗	✓	16	16	
			IPC-HDBWS221EP-Z		✓	✓	✗	✓	16	16	
			IPC-HFS221E		✓	✓	✗	✓	16	16	
			IPC-HFS121E		✓	✓	✗	✓	16	16	
			IPC-HFWS221E-Z		✓	✓	✗	✓	16	16	
			IPC-HDBWS421E-Z		✓	✓	✗	✓	16	16	
Dahua	NVR		NVR4204-4P	3.1.5.0_R-V5000	✓	✓	✓	✓	20	80	
			NVR4208-8P		✓	✓	✓	20	160		
			NVR4216-8P		✓	✓	✓	20	320		
ZKTeco	IPC	8000	ES-852T12H	3.1.5.0_R-V5000	✓	✓	✗	✓	16	16	
			ES-852T11H		✓	✓	✗	✓	16	16	
			ES-852T13H		✓	✓	✗	✓	16	16	
			BS-852T11K		✓	✓	✗	✓	16	16	
			BS-852T12K		✓	✓	✗	✓	16	16	
			BS-852T13K		✓	✓	✗	✓	16	16	
			BL-852T28L		✓	✓	✗	✓	16	16	
			DL-852T28B		✓	✓	✗	✓	16	16	
			EL-852T28I		✓	✓	✗	✓	16	16	
			ES-852O12H		✓	✓	✗	✓	16	16	
			ES-852O11H		✓	✓	✗	✓	16	16	
			ES-852O13H		✓	✓	✗	✓	16	16	
			BS-852O11K		✓	✓	✗	✓	16	16	
			BS-852O12K		✓	✓	✗	✓	16	16	
			BS-852O13K		✓	✓	✗	✓	16	16	
			BL-852O28L		✓	✓	✗	✓	16	16	
			EL-852O28I		✓	✓	✗	✓	16	16	
			DL-852O28B		✓	✓	✗	✓	16	16	
			ES-854N12H		✓	✓	✗	✓	16	16	
			ES-854N11H		✓	✓	✗	✓	16	16	
			ES-854N13H		✓	✓	✗	✓	16	16	
			BS-854N11K		✓	✓	✗	✓	16	16	
			BS-854N12K		✓	✓	✗	✓	16	16	
			BS-854N13K		✓	✓	✗	✓	16	16	
BL-854N28L	✓	✓	✗	✓	16	16					
EL-854N28I	✓	✓	✗	✓	16	16					
DL-854N28B	✓	✓	✗	✓	16	16					
FC320	✓	✓	✗	✓	16	16					
ZKTeco	NVR	8000	Z8504NER	3.1.5.0_R-V5000	✗	✓	✓	✓	20	80	
			Z8508NER		✗	✓	✓	✓	20	160	
			Z8516NER		✗	✓	✓	✓	20	320	
			Z8504NER-4P		✗	✓	✓	✓	20	80	
			Z8508NER-8P		✗	✓	✓	✓	20	160	
			Z8516NFR		✗	✓	✓	✓	20	320	
			Z8532NFR		✗	✓	✓	✓	20	640	
			Z8516NFR-16P		✗	✓	✓	✓	20	320	
			Z8532NFR-16P		✗	✓	✓	✓	20	640	
			Z8536NMR		✗	✓	✓	✓	20	720	
			Z8536NMR-4F		✗	✓	✓	✓	20	720	
			Z8536NHR		✗	✓	✓	✓	20	720	
			Z8564NHR		✗	✓	✓	✓	20	1280	
			Z8564NTR		✗	✓	✓	✓	20	1280	
Z85128NTR	✗	✓	✓	✓	20	2560					

ZKBioSecurity 3rd Party Onvif Cameras Supported List

VI.2.2019.6.30

Brand	Hardware Type	Series	Model Name	Software Version	Functions					
					Capture (software linkage)	Video Storage		Video Preview	Maximum Connected Devices	Maximum Connected Cameras
						ZKBioSecurity Server	NVR / DVR			
Axis	IPC		M3045-V	3.1.5.0_R-V5000	√	√	×	√	16	16
Panasonic	IPC		K-EW114L03AE		√	√	×	√	16	16
Geovision	IPC		GV-EFD1100		√	√	×	√	16	16
Sony	IPC		SNC-DH210T		√	√	×	√	16	16
	IPC		SNC-XM631		√	√	×	√	16	16

ZKBioSecurity Photo & Video Capture Delay Detail

VI.2.2019.6.30

Functions	Status	Delay	Remark	Storage	Remark
Photo Capture on ZKBioSecurity Server (Software Linkage)	For Sale	2-5s	Only support capture on server.	ZKBioSecurity Server	Tips: 1. If users concerned about the real time of the photo and video records, ZKTeco do not recommend the Photo & Video Capture on ZKBioSecurity Server. 2. For the real time video capture function, please use the video record on NVR / DVR function instead.
Video Record on ZKBioSecurity Server	For Sale	3-8s	Only record video on server.	ZKBioSecurity Server	
Video Record on NVR / DVR	For Sale	2-5s (not include prerecord)	It has 10s prerecord time, so it can minimize the record delay scenario.	NVR / DVR	

ZKBioSecurity Sever Configuration

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No.	Application Scenarios	Server Quantity	Usage	Software Version	Recommended Database	Firewall	Server OS	Client's Browser	Screen Resolution	Minimum Server Configuration		
										RAM	CPU	Hard Disk Space
1	SME Project	Single Server	Access Control: ≤50 doors (PUSH Firmware only) or Time Attendance: ≤50 points	V5000						4GB	Dual core processor with speeds of 2.4GHz or higher	30GB
			Elevator Control: ≤10 devices									
			Visitor: 1000 people per month									
			Video Linkage Without NVR: ≤8 chls With NVR: 1-64 chls									
			Patrol: ≤50 devices									
			Hotel: ≤25 Locks									
			Parking LPR: ≤4 Cameras									
			Consumption: ≤10 devices									
			FaceKiosk: ≤ 3 devices									
			Face Intellect: ≤ 25 devices									
2	Medium Enterprise Project	Single Server	Access Control: ≤ 200 doors (PUSH Firmware only) or Time Attendance: ≤ 100 points	V5000	1. PostgreSQL (built-in) 2. SQL Server or Oracle (must be installed by customer) 3. It's better to install the SQL Server or Oracle on remote server	TCP/UDP 8080 (Open Ports Required)	Windows 7 Windows 8 Windows 10 Windows Server 2008 Windows Server 2012 Windows Server 2016	Chrome Opera Firefox IE11 Safari	1024*768 or above	8GB	Dual core processor with speeds of 2.4GHz or higher	50GB
			Elevator Control: ≤ 30 devices									
			Visitor: 2000 people per month									
			Video Linkage Without NVR: ≤8 chls With NVR: 1-64 chls									
			Patrol: ≤100 devices									
			Hotel: ≤50 Locks									
			Parking LPR: ≤4 Cameras									
			Consumption: ≤ 50 devices									
			FaceKiosk: ≤ 5 devices									
			Face Intellect: ≤ 50 devices									
3	International Enterprise Project	Single Server	Access Control: ≤ 1200 doors (PUSH Firmware only) or Time Attendance: ≤ 600 points	V5000						8GB	Dual core processor with speeds of 2.4GHz or higher	100GB
			Elevator Control: ≤ 50 devices									
			Visitor: 5000 people per month									
			Video Linkage Without NVR: ≤16 chls With NVR: 1-128 chls									
			Patrol: ≤200 devices									
			Hotel: ≤100 Locks									
			Parking LPR: ≤4 Cameras									
			Consumption: ≤100 devices									
			FaceKiosk: ≤ 20 devices									
			Face Intellect: ≤ 100 devices									
	Multiple Server	Access Control: > 1200 doors (PUSH Firmware only) or Time Attendance: > 600 points	V5000							16GB	X64-capable dual core processor with speeds of 2.7GHz or higher	200GB
		Elevator Control: >50 devices										
		Visitor: >20000 people per month										
		Video Linkage Without NVR: ≤16 chls With NVR: 1-128 chls										
		Patrol: > 200 devices										
		Hotel: > 100 Locks										
		Parking LPR: ≤4 Cameras										
		Consumption: > 10 devices										
		FaceKiosk: > 20 devices										
		Face Intellect: > 100 devices										

* 1. The 32bit package(EN_ZKBioSecurityV5000_X86) can be installed on both the 32bit and 64bit windows system.
 * 2. The suggestion of system configuration above was in view of general application circumstances, and about server configuration recommendation for specific projects, please contact Technical Support or ZKBioSecurity Product Center.

ZKBioSecurity Recommended Server

VI.0.2019.6.30

Application Scenarios	Server Quantity	Recommended Server					
		Brand	Model Name	RAM	CPU	Hard Disk	Reference Budget
SME Project	Single Server	DELL	Optiplex 3020	8GB (4GB+4GB) 1600MHz DDR3	Intel Core i3-4130 CPU @3.4GHz quad core (i3/i5/i7)	500G	USD 560
Medium Enterprise Project	Single Server	LENOVO	ThinkServer RD440	16GB ECC 1600MHz DDR3	Intel Xeon E5-2407 V2 @2.4GHz quad core	2*600GB SAS 3.5 inches ES hard disk 15K.	USD 2,900
International Enterprise Project	Single Server	DELL	PowerEdgeR520	32GB DDR3	Intel Xeon E5-2407 V2 @2.4GHz quad core	DELL PERC S110 (1999G)	USD 3,000
	Multiple Server						