

ZKBioSecurity Access Control Devices List

V1.7 March 11, 2020

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Controller	InBio160 Pro	AC Ver 5.7.7.3033 Jan 20 2018		Firmware Version AC 5.7.7.3033 May 13 2019 works with face intellect module to achieve touchless biometric access control solution in version V5000.
		InBio260 Pro			
		InBio460 Pro			
2	Standalone Devices	InPulse+	Ver8.0.4.2-20181030 or Above	3.2.0.0_R - V5000 2.0.0_R	Firmware version above 8.0.4.2-20181030 can be used with ZKBioSecurity 3.2.0.0_R & V5000 to support more functions such as advanced access control, remote registration, and more.
		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-7A	Ver1.0.118 or Above	V5000 1.0.0_R - V5000 2.0.0_R	
		FaceDepot-7B	Ver1.0.118 or Above		
		SpeedFace-H5	Ver1.0.118 or Above		
		SpeedFace-V5	Ver1.0.118 or Above		
		Horus	Ver 1.0.229		
		ProFace X	Ver 9.0.1.10-20190820 or Above		

ZKBioSecurity Elevator Control Devices List

V1.7 March 11, 2020

No.	Device Type	Model Name	Connection Mode	Firmware Version	Software Version	Remark
1	Elevator Controller	EC10	Online	Ver 7.0.0 Jul 01 2013 or Above	3.2.0.0_R - V5000 2.0.0_R	
			Offline	Contact Technical Support	3.2.0.0_R	
2	Elevator Floor Extension Board	EX16	Online/Offline		3.2.0.0_R - V5000 2.0.0_R / 3.2.0.0_R	
3	Mifare Card Encoder	CR20WM	Offline		3.2.0.0_R	
4	RS485 Mifare Reader	KR100-RSEC				
5	Mifare Card	S50/S70				

ZKBioSecurity Time Attendance Devices List

V1.4 March 11, 2020

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	3.2.0.0_R - V5000 2.0.0_R
2		G2			
3		G3			
4		G3 Plus	Ver 2.0.30-20171110 or Above	Ver 8.0.4.1-20171121 or Above	
5		G3 Pro	Ver2.0.325-20191223	ZMM720-NF-Ver1.0.13 or Above	
6	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 2.0.0_R

ZKBioSecurity Consumption Module Devices List

V2.1 March 11, 2020

No.	Device Type	Model Name	Model Type	Firmware Version	Image	Software Version	Remark
1	Consumption Device	ProMerc-10	Hanging	Ver 5.3.6.3_E or Above		3.2.0.0_R - V5000 2.0.0_R	
		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

V1.2 March 11, 2020

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	FaceKiosk	FaceKiosk-V43	V2.2.4-1.2.36	V5000 1.0.0_R - V5000 2.0.0_R	
2		FaceKiosk-V32			
3		FaceKiosk-H32			
4		FaceKiosk-H21			
5		FaceKiosk-H13			

ZKBioSecurity Face Intellect Module Devices List

V1.0 March 11, 2020

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Camera	FI710	V1.0.17	V5000 1.0.0_R - V5000 2.0.0_R	FI series camera can act as reader of InBio Pro controller.

ZKBioSecurity Parking Module Devices List

V1.3 March 11, 2020

No.	Device Type	Model Name	Software Version
1	LPR Camera	LPRC100	3.2.0.0_R - V5000_2.0.0_R
2	LPR Integrated Machine	LPRS1000	
		LPRS2000	
3	UHF Card Encoder	UR10R-1E	
		UR10R-1F	
4	UHF Reader	UHF1-10E	
		UHF1-10F	
		UHF 6F Pro	
		UHF 6E Pro	
5	UHF Standalone Device	U2000E	
		U2000F	
6	UHF Card	UHF1-Tag1	
		UHF1-Tag3	
		UHF Parking Card	
		UHF Parking Tag	

ZKBioSecurity Commonly Supported Hardware List

V1.3 March 11, 2020

No.	Hardware	Usage	Recommended Accessories					Supported Modules	Software Version	Remark
			Country	Brand	Model	USB Cable	Driver			
1	ID Card Reader	Reads the Personnel Information from ID Card	Malaysia	IDENTIV	uTrust 2700 R	✓	NA		Personnel Hotel Visitor	3.2.0.0_R - V5000 2.0.0_R
2			U.A.E	ACS	ACR38U-11	✓	NA			
3			Thailand	Zoweetek	TRK2700RB	✓	NA			V5000 2.0.0_R

ZKBioSecurity Hotel Module Devices List

V1.3 March 11, 2020

No.	Device Type	Model Name	Software Version	Remark
1	Hotel Lock	LH1000	3.2.0.0_R	V5000 version doesn't support Hotel management function.
		LH3000		
		LH3600		
		LH4000		
		LH5000		
		LH6000		
		LH6500		
2	Mifare Card Encoder	CR60W		
3	Mifare Card	S50/S70		Record Card must be S70 Mifare Card.

ZKBioSecurity Supported Hardware List for Personnel/ Visitor Module

V1.3 March 11, 2020

No.	Hardware	Usage	Accessories					Software Version	Remark
			Recommended						
			Brand	Model	USB Cable	Driver	Image		
1	Card Printer	Prints the information on the employee's/ visitor's card.	FARGO	DTC1250e	✓	Can be downloaded from HID website		3.2.0.0_R or V5000_2.0.0_R	3.2.0.0_R version only supports printing card for personnel.
2			IDP	SMART-505	✓	Can be downloaded from IDP website			
3			ZKTeco	ZKCP100	✓	Can be downloaded from built-in CD			

ZKBioSecurity Supported Hardware List for Visitor Module

V1.6 March 11, 2020

No.	Hardware	Usage	Accessories					Software Version	Remark
			Recommended						
			Brand	Model	USB Cable	Driver	Image		
NEW	Multi-functional ID Document Scanner for Document Authentication	Effectively scans ID Cards, Passports, Driver licenses, VISA's, etc.	SINOSECU	TH-AR190	✓	NA		V5000 2.0.0_R	Supports recognition of Passports from 190 countries and ID documents from Hong Kong, Thailand and Indonesia. It also auto-fills the personnel information to Visitor and Personnel modules.
2	Multifunctional ID Document Scanner for Document Authentication	Effectively scans ID Cards, Passports, Driver licenses, VISA's, etc.	Desko	PENTA Scanner	✓	Yes		3.2.0.0_R - V5000 2.0.0_R	Desko PENTA scanner can be used with Account OCR to support recognition of identity documents from over 190 countries and all 50 US states. It also auto-fills the personnel information to Visitor, Personnel and Hotel modules.
3	Fixed mount Barcode Scanner	Scans barcode printed on the visitor's badge.	ZKTeco	IR400	✓	NA			
4	Barcode Scanner (Handheld)	Scans barcode on the visitor receipt or other certificates	MINDEO	MD2250+	✓	NA			
5	Card/Fingerprint Reader	Issues card or registers the fingerprint of the visitors.	ZKTeco	CR10E8M/ ZK4500/ ZK8500R	✓	Embedded in ZKBioSecurity			
6	High-speed Portable HD Doc Scanner	Takes picture of certificate, signature, etc.	ZKTeco	PDS3000	✓	Embedded in ZKBioSecurity		3.2.0.0_R - V5000 2.0.0_R	Primary Camera: 5 Mega pixels 2592*1944 Secondary Camera: 2 Mega pixels 1600*1200 Scan size: Up to A3 size
7	USB HD Network Camera	Takes picture of the visitors	Logitech	CS25	✓	NA			1. If the Customer needs a camera stand, please note that in PO once the order is placed. 2. There are possibilities of interference when a USB camera and an HD Document scanner are used together.
8	Receipt Printer	Prints common receipt for visitors	ZKTeco	ZKP8002 (Old Model: TP8016US)	✓	Embedded in ZKBioSecurity			
9	Sticker Printer	Prints sticker receipt for visitors.	Brother	Brother QL-700	✓	Embedded in ZKBioSecurity			1. Effectively prints cost-effective and high-quality paper labels for visitors. The printing speed is up to 93 labels per minute and the QL-700 features an auto-cutter which gives a clean finishing thus eliminating wastage of label sheet. 2. The "Plug & Label" feature supports quick label printing of the most basic labels, with no software installation required.

ZKBioSecurity VMS Devices List

Note: If you choose to use VMS function, please select the cameras/devices from this list. v1, March 11, 2020

Brand	Hardware Type	Series	Model Name	Software Version	Functions						Max Supported Channels for one NVR	Remark					
					Capture (software linkage)	Video Storage		Video Preview	Video Playback	Video Decoding							
						ZKBioSecurity Server	NVR / DVR										
ZKteco	IPC	BioPro Series	BS-852T22C	V5000_2.0.0_R	✓	✓	✓	✓	✓	✓							
			BS-852T23C		✓	✓	✓	✓	✓								
			ES-852T22C		✓	✓	✓	✓	✓								
			ES-852T21C		✓	✓	✓	✓	✓								
			EL-852T38I		✓	✓	✓	✓	✓								
			DL-852T28B		✓	✓	✓	✓	✓								
			ES-854N22C		✓	✓	✓	✓	✓								
			ES-854N21C		✓	✓	✓	✓	✓								
			EL-854N38I		✓	✓	✓	✓	✓								
			DL-854N28B		✓	✓	✓	✓	✓								
			DL-855P22B		✓	✓	✓	✓	✓								
			DL-855P28B		✓	✓	✓	✓	✓								
ZKteco	IPC	BioUltra Series	BL-852Q38A	V5000 2.0.0_R	✓	✓	✓	✓	✓	✓							
			DL-852Q28B		✓	✓	✓	✓	✓								
			FI320		✓	✓	✓	✓	✓								
ZKteco	IPC	BioEco Series	BS-852K12K	V5000 2.0.0_R	✓	✓	✓	✓	✓	✓							
			ES-852K11H		✓	✓	✓	✓	✓								
			ES-852Q22B		✓	✓	✓	✓	✓								
			ES-852Q21B		✓	✓	✓	✓	✓								
			BS-852O22B		✓	✓	✓	✓	✓								
			BS-852O23B		✓	✓	✓	✓	✓								
			ES-852O22C		✓	✓	✓	✓	✓								
			ES-852O21C		✓	✓	✓	✓	✓								
			BS-852O22C		✓	✓	✓	✓	✓								
			BS-852O23C		✓	✓	✓	✓	✓								
			EL-852O38I		✓	✓	✓	✓	✓								
			DL-852O28B		✓	✓	✓	✓	✓								
			BS-855L12B		✓	✓	✓	✓	✓								
			BS-855L13B		✓	✓	✓	✓	✓								
			ES-855L12B		✓	✓	✓	✓	✓								
			ES-855L11B		✓	✓	✓	✓	✓								
			ZKteco		NVR	8000	Z8504NER	V5000_2.0.0_R	✓	✓		✓	✓	✓	✓	4	
							Z8508NER		✓	✓		✓	✓	✓	8		
Z8516NER	✓	✓		✓			✓		✓	16							
Z8516NFR	✓	✓		✓			✓		✓	16							
Z8532NFR	✓	✓		✓			✓		✓	32							
Z8536NMR	✓	✓		✓			✓		✓	36							
Z8536NHR	✓	✓		✓			✓		✓	36							
Z8564NHR	✓	✓		✓			✓		✓	64							
Z85128NTR	✓	✓		✓			✓		✓	128							
Z8504NER-4P	✓	✓		✓			✓		✓	4							
Z8508NER-8P	✓	✓		✓			✓		✓	8							
Z8516NFR-16P	✓	✓		✓			✓		✓	16							
Z8532NFR-16P	✓	✓		✓			✓		✓	16							
ZKteco	NVR	BioFace Lite		Z8608NF-8P			V5000_2.0.0_R		✓	✓	✓	✓	✓	✓	8	Only these three Face Recognition NVR's support the Face Recognition function in the VMS module.	
			Z8636NF-16P	✓	✓	✓		✓	✓	36							
			Z8536NMR-4F	✓	✓	✓		✓	✓	36							

ZKBioSecurity VMS Server/Client Configuration

v1, 9 March 11, 2020

System	Recommended				For better performance			
	CPU	RAM	OS	GPU	CPU	RAM	OS	GPU
Server	Intel(R) Core(TM) i5 6500 @2.6GHz or Above	8GB	WIN7/WIN8/WIN10/WINDOWS SERVER2008 and SERVER2012	NVIDIA GTX750	Intel(R) Core(TM) i7 7700 @3.6GHz or Above	16GB	WIN7/WIN8/WIN10/WINDOWS SERVER2008 and SERVER2012	NVIDIA GTX1000
Client	Intel(R) Core(TM) i5 6500 @2.6GHz or Above	8GB	WIN7/WIN8/WIN10/WINDOWS SERVER2008 and SERVER2012	NVIDIA GTX750	Intel(R) Core(TM) i7 7700 @3.6GHz or Above	16GB	WIN7/WIN8/WIN10/WINDOWS SERVER2008 and SERVER2012	NVIDIA GTX1000

Encoding Format	Resolution	Bit rate(Mbps)	FPS	Maximum number of Cameras	
				Recommended	For better performance
H.264	D1	1	30	36	64
	720P	2		16	36
	1080P	4		9	16
	3MP	5		6	9
	8MP	8		6	4
H.265	D1	1		36	64
	720P	2		16	36
	1080P	4		9	16
	3MP	5		6	9
	8MP	8		6	4

*If you choose to use VMS Function, configure your Server based on the recommended configuration.

ZKBioSecurity Video Linkage Devices List

v1.3 March 11, 2020

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	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✗	✓	16	16				
			GT-8D513		✓	✓	✗	✓	16	16				
			GT-DC520-P		✓	✓	✗	✓	16	16				
			PT-BA294K2		✓	✓	✗	✓	16	16				
			PT-BA294K4		✓	✓	✗	✓	16	16				
			PT-DA294K2		✓	✓	✗	✓	16	16				
			GT-NR401		✗	✓	✓	✓	20	80				
			ZKXV08025		✗	✓	✓	✓	20	160				
			GT-ADR401M		✗	✓	✓	✓	20	80				
			GT-ADR3208M		✗	✓	✓	✓	20	160				
			PT-NVR5104		✗	✓	✓	✓	20	80				
			ZKXMS32		✓	✓	✗	✓	16	16				
			ZKX472		✓	✓	✗	✓	16	16				
			ZKX572		✓	✓	✗	✓	16	16				
HIKVISION	NVR	DS	DS-2C02012-I	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✗	✓	16	16				
			DS-7608N-E2/8P		✓	✓	✓	✓	20	160				
			DS-7316HWI-SH		✓	✓	✓	✓	20	320				
Dahua	IPC		DH-IPC-HFW4100S-V2	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✗	✓	16	16				
			DH-HAC-HDW1100S		✓	✓	✗	✓	16	16				
			NVR4104H-P		✓	✓	✓	✓	20	160				
			DH/HCVR4104H5-V3		✓	✓	✓	✓	20	80				
Dahua	HDCVI		HCVRS104H-S2	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✓	✓	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				
			HCVR4104H5-S2		✓	✓	✓	✓	20	80				
			HCVR4104H5-S3		✓	✓	✓	✓	20	80				
			XVRS104		✓	✓	✓	✓	20	160				
			HCVR4108H5-S2		✓	✓	✓	✓	20	160				
			HCVR4108H5-S3		✓	✓	✓	✓	20	160				
			XVRS108		✓	✓	✓	✓	20	320				
			HCVR4116H5-S2		✓	✓	✓	✓	20	320				
			HCVR4116H5-S3		✓	✓	✓	✓	20	320				
			XVRS116		✓	✓	✓	✓	20	160				
			HCVR4208A-S2		✓	✓	✓	✓	20	160				
			HCVR4216A-S2		✓	✓	✓	✓	20	320				
			HCVR7104H-S3		✓	✓	✓	✓	20	80				
HCVR7108H-S3	✓	✓	✓	✓	20	160								
XVRS104H-4M	✓	✓	✓	✓	20	80								
XVRS216AN	✓	✓	✓	✓	20	320								
Dahua	IPC		PC-HDW4100SP	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✗	✓	16	16				
			IPC-HDW4421MP		✓	✓	✗	✓	16	16				
			IPC-HFW5202CP		✓	✓	✗	✓	16	16				
			IPC-HFW-1220SP		✓	✓	✗	✓	16	16				
			IPC-HF8301EP		✓	✓	✗	✓	16	16				
			HFV4300EP		✓	✓	✗	✓	16	16				
			HFW2100RP-VF		✓	✓	✗	✓	16	16				
			HFW2320RP-ZS		✓	✓	✗	✓	16	16				
			IPC-HDW1220SP		✓	✓	✗	✓	16	16				
			IPC-HDBWS221EP-Z		✓	✓	✗	✓	16	16				
			IPC-HF5221E		✓	✓	✗	✓	16	16				
			IPC-HF5121E		✓	✓	✗	✓	16	16				
			IPC-HFW5221E-Z		✓	✓	✗	✓	16	16				
			IPC-HDBWS2421E-Z		✓	✓	✗	✓	16	16				
			Dahua		NVR		NVR4204-4P	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✓	✓	20	80
							NVR4208-8P		✓	✓	✓	✓	20	160
NVR4216-8P	✓	✓		✓			✓		20	320				
ZKteco	IPC	8000	ES-852T12H	3.2.0.0_R - V5000 2.0.0_R	✓	✓	✗	✓	16	16				
			ES-852T11H		✓	✓	✗	✓	16	16				
			ES-852T13H		✓	✓	✗	✓	16	16				
			BS-852T11K		✓	✓	✗	✓	16	16				
			BS-852T12K		✓	✓	✗	✓	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-852O38I		✓	✓	✗	✓	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	3.2.0.0_R - V5000 2.0.0_R	✗	✓	✓	✓	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	640				
			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

Note: The 3rd party ONVIF Cameras can have access only to the Video Linkage module V1.2 March 11, 2020

Brand	Hardware Type	Series	Model Name	Software Version	Functions					
					Capture (software linkage)	Video Storage		Video Preview	Maximum number of connected devices	Maximum number of connected cameras
						ZKBioSecurity Server	NVR / DVR			
Axis	IPC	/	M3045-V	3.2.0.0_R-V5000_2.0.0_R	✓	✓	✗	✓	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 Details

V1.2 March 11, 2020

Functions	Status	Delay	Remark	Storage	Remark
Photo Capture on ZKBioSecurity Server (Software Linkage)	For Sale	2-5s	Only captures on Server	ZKBioSecurity Server	Tips: 1. If users are concerned about real-time photo and video records, ZKTeco does not recommend Photo and Video capture on ZKBio Security Server. 2. For real-time video capture, please user NVR/DVR.
Video Record on ZKBioSecurity Server	For Sale	3-8s	Only records video on Server	ZKBioSecurity Server	
Video Record on NVR / DVR	For Sale	2s to 5s (does not include pre-record)	The pre-record time is 10s, so it minimizes the record delay scenario	NVR / DVR	

ZKBioSecurity Sever Configuration

V1.7 March 11, 2020

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 speed of 2.4GHz or above	30GB						
			Elevator Control: ≤10 devices															
			Visitor: 1000 people per month															
			Video Linkage Without NVR: ≤8 channels With NVR: 1 to 64 channels															
			Patrol: ≤50 devices															
			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 the customer) 3. It's recommended 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 pixels or above	8GB	Dual core processor with speed of 2.4GHz or above	50GB						
			Elevator Control: ≤ 30 devices															
			Visitor: 2000 people per month															
			Video Linkage Without NVR: ≤8 channels With NVR: 1 to 64 channels															
			Patrol: ≤100 devices															
			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 speed of 2.4GHz or above	100GB						
			Elevator Control: ≤ 50 devices															
			Visitor: 5000 people per month															
			Video Linkage Without NVR: ≤16channels With NVR: 1 to 128 channels															
			Patrol: ≤200 devices															
			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 speed of 2.7GHz or above	200GB
			Elevator Control: >50 devices															
			Visitor: >20000 people per month															
			Video Linkage Without NVR: ≤16 channels With NVR: 1 to 128 channels															
			Patrol: > 200 devices															
			Parking LPR: ≤4 Cameras															
			Consumption: > 10 devices															
FaceKiosk: > 20 devices																		
Face Intellect: > 100 devices																		

* The system configuration suggestions were based on the general application scenarios. To know more about the server configuration of specific projects, please contact the Technical Support team or the ZKBioSecurity Product Center.