ZKTeco

ZKBioSecurity Access Control Devices List

V1.8 July 15, 2020

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Controller	InBio160 Pro	AC Ver.5.7.7.3033 Jan 20 2018	3.2.0.0_R - V5000 3.0.0_R	Firmware Version AC 5.7.7.3033 May 13 2019 or above 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		
		ProBio	Ver8.0.4.2-20181030 or Above		
		ProCapture-T	Ver8.0.4.2-20181030 or Above		
		ProFR-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		
		ProWF	ZK-ZLM60-NSNF-Ver2.0.6		
3	Visible Light Facial Recognition Devices	FaceDepot-7A	Ver1.0.118 or Above		
		FaceDepot-7B	Ver1.0.118 or Above		
		SpeedFace-H5	Ver1.0.118 or Above		
		SpeedFace-V5	Ver1.0.118 or Above		
		ProFace X	Ver 9.0.1.10-20190820 or Above	V5000 1.0.0_R or above	
		ProFace X [P]	ZAM170-NF-Ver1.3.5	V5000 3.0.0_R	
		Elite Pass	ZAM170-NF-Ver1.1.29		
		Elite Access	ZAM170-NF-Ver1.1.29		
		ProFace X [TD]	ZAM170-NF-Ver1.3.5		[TD] series terminals work with the **Temperature Detection** module to achieve users temperature and mask screening.
		SpeedFace-V5L[TD]	ZAM170-NF-Ver1.3.5		

ZKBioSecurity Elevator Control Devices List

V1.8 July 15, 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 3.0.0_R	Only the version 3.2.0.0_R supports Elevator Control module in offline mode. The Elevator Control module can only support up to 31 floors; Personnel access levels can only be assigned in maximum 2 Elevators.
			Offline	Contact Technical Support	3.2.0.0_R	
2	Elevator Floor Extension Board	EX16	Online/Offline		3.2.0.0_R - V5000 3.0.0_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

V1.1 July 15, 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 3.0.0_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	V5000 3.0.0_R
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 3.0.0_R
7		Horus		Ver 1.0.229	V5000 2.0.0_R or above

ZKBioSecurity Consumption Module Devices List

V2.2 July 15, 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 3.0.0_R	It's offline mode for consumption management.
		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

V1.3 July 15, 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 3.0.0_R	
2		FaceKiosk-V32			
3		FaceKiosk-H32			
4		FaceKiosk-H21			
5		FaceKiosk-H13	v2.3.2-2.1.8	V5000 2.0.0_R or above	

ZKBioSecurity Face Intellect Module Devices List

V1.1 July 15, 2020

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Camera	FIT10	V1.0.17	V5000 1.0.0_R - V5000 3.0.0_R	FI series camera can act as reader of InBio Pro controller.

ZKBioSecurity Parking Module Devices List

V1.4 July 15, 2020

No.	Device Type	Model Name	Software Version
1	LPR Camera	LPRC100	3.2.0.0_R - V5000_3.0.0_R
2	LPRI Integrated Machine	LPRIS1000	
		LPRIS2000	
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 July 15, 2020

No.	Hardware	Usage	Recommended Accessories						Supported Modules	Software Version	Remark
			Country	Brand	Model	USB Cable	Driver	Image			
1	ID Card Reader	Reads the Personnel Information from ID Card	Malaysia	IDENTIV	uTrust 2700 R	√	NA		Personnel Hotel Visitor	V5000 2.0.0_R or above	
2			U.A.E	ACS	ACR38U-I1	√	NA				
3			Thailand	R&D	TRK2700RB	√	NA				

ZKBioSecurity Supported Hardware List for Personnel/ Visitor Module

V1.0 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		V5000 2.0.0_R - V5000 3.0.0_R	3.2.0.0_R version only supports printing card for personnel.
2			IDP	SMART-50S	√	Can be downloaded from IDP website			
3			ZKTeco	ZKCP100	√	Can be downloaded from built-in CD			

ZKBioSecurity Supported Hardware List for Visitor Module

V1.7 July 15, 2020

No.	Hardware	Usage	Accessories					Software Version	Remark
			Recommended						
			Brand	Model	USB Cable	Driver	Image		
1	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 - V5000 3.0.0_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 3.0.0 R	Desko PENTA scanner can be used with Acuant 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	R400	√	NA		3.2.0.0_R - V5000 2.0.0_R	
4	Barcode Scanner (Handheld)	Scans barcode on the visitor reciept or other certificates	MINDEO	MD2250+	√	NA			
5	Card/Fingerprint Reader	Issues card or registers the fingerprint of the visitors.	ZKTeco	CR100BM/ ZK4500/ ZK8500R	√	Embedded in ZKBioSecurity			
6	High-speed Portable HD Doc Scanner	Takes picture of certificate, signature, etc.	ZKTeco	PDS3000	√	Embedded in ZKBioSecurity			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	C525	√	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 reciept for visitors	ZKTeco	ZKP8002 (Old Model: TP8016US)	√	Embedded in ZKBioSecurity			
9	Sticker Printer	Prints sticker reciept 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 sheets. 2. The "Plug & Label" feature supports quick label printing of the most basic labels, with no software installation required.

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ZKBioSecurity VMS Devices List

Note: If you choose to use VMS function, please select the cameras/devices from this list. V1.2 July 15, 2020

Brand	Hardware Type	Series	Model Name	Software Version	Functions							Remark
					Capture (software linkage)	Video Storage		Video Preview	Video Playback	Video Decoding	Max Supported Channel for one lock	
						ZKBioSecurity Server	NVR / DVR					
ZKTeco	IPC	BioPro Series	BS-852T22C	V5000 2.0.0 R - V5000 3.0.0_R	√	√	×	√	√	√		
			BS-852T23C		√	√	×	√	√	√		
			BS-852T22C-M		√	√	×	√	√	√		
			BS-852T23C-M		√	√	×	√	√	√		
			ES-852T22C		√	√	×	√	√	√		
			ES-852T22C-M		√	√	×	√	√	√		
			ES-852T21C		√	√	×	√	√	√		
			ES-852T21C-M		√	√	×	√	√	√		
			ES-852T21C-M		√	√	×	√	√	√		
			BL-852T03S		√	√	×	√	√	√		
			BL-852T60S		√	√	×	√	√	√		
			BL-852T40S		√	√	×	√	√	√		
			BL-852T05S		√	√	×	√	√	√		
			EL-852T08I		√	√	×	√	√	√		
			DL-852T08I		√	√	×	√	√	√		
			BS-854K22C-E3		√	√	×	√	√	√		
			BS-854K23C-E3		√	√	×	√	√	√		
			ES-854K22C-E3		√	√	×	√	√	√		
			ES-854K21C-E3		√	√	×	√	√	√		
			BL-854K06H-E3		√	√	×	√	√	√		
			EL-854K08I-E3		√	√	×	√	√	√		
			DL-854K28B-E3		√	√	×	√	√	√		
			BS-855P22C		√	√	×	√	√	√		
			BS-855P23C		√	√	×	√	√	√		
			DL-855P22B		√	√	×	√	√	√		
			BL-855P04S		√	√	×	√	√	√		
			DL-855P20B		√	√	×	√	√	√		
			BS-856K22C		√	√	×	√	√	√		
			BS-856K23C		√	√	×	√	√	√		
			DL-856K22B		√	√	×	√	√	√		
			BL-856M04S		√	√	×	√	√	√		
			DL-856M20B		√	√	×	√	√	√		
ZKTeco	IPC	BioLite Series	BL-852G04A	V5000 2.0.0_R - V5000 3.0.0_R	√	√	×	√	√	√		
			DL-852G28B		√	√	×	√	√	√		
			FI1D0		√	√	×	√	√	√		
			FI1E0		√	√	×	√	√	√		
			DL-856H17C-FS		√	√	×	√	√	√		
ZKTeco	IPC	BioEco Series	BS-852K12K	V5000 2.0.0_R - V5000 3.0.0_R	√	√	×	√	√	√		
			ES-852K11H		√	√	×	√	√	√		
			ES-852O22B		√	√	×	√	√	√		
			ES-852O21B		√	√	×	√	√	√		
			BS-852O22B		√	√	×	√	√	√		
			BS-852O23B		√	√	×	√	√	√		
			ES-852O22C		√	√	×	√	√	√		
			ES-852O21C		√	√	×	√	√	√		
			BS-852O22C		√	√	×	√	√	√		
			BS-852O23C		√	√	×	√	√	√		
			EL-852O08I		√	√	×	√	√	√		
			DL-852O28B		√	√	×	√	√	√		
			BS-855L22C-E3		√	√	×	√	√	√		
			ES-855L22C-E3		√	√	×	√	√	√		
			ES-855L21C-E3		√	√	×	√	√	√		
			BL-855L385-E3		√	√	×	√	√	√		
			EL-855L38I-E3		√	√	×	√	√	√		
			DL-855L28B-E3		√	√	×	√	√	√		
ZKTeco	NVR	8000	ZS5040ER	V5000_2.0.0 R - V5000 3.0.0_R	√	√	√	√	√	√	4	
			ZS5080ER		√	√	√	√	√	√	8	
			ZS5160ER		√	√	√	√	√	√	16	
			ZS5160FR		√	√	√	√	√	√	16	
			ZS5320FR		√	√	√	√	√	√	32	
			ZS5360MR		√	√	√	√	√	√	36	
			ZS5360HR		√	√	√	√	√	√	36	
			ZS5640HR		√	√	√	√	√	√	64	
			ZS5128NTR		√	√	√	√	√	√	128	
			ZS5040ER-4P		√	√	√	√	√	√	4	
			ZS5080ER-8P		√	√	√	√	√	√	8	
			ZS5160FR-16P		√	√	√	√	√	√	16	
			ZS5128FR-16P		√	√	√	√	√	√	16	
ZKTeco	NVR	BioFace Lite	ZM080HF-8P	V5000_2.0.0 R - V5000 3.0.0_R	√	√	√	√	√	√	8	Only those three Face Recognition NVRs support the Face Recognition function in the VMS module.
			ZM160MF-16P		√	√	√	√	√	√	36	
			ZS5360MR-4F		√	√	√	√	√	√	36	

ZKBioSecurity VMS Server/Client Configuration

V1.1 July 15, 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 GTX1050
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 GTX1050

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		4	6
H.265	D1	1		36	64
	720P	2		16	36
	1080P	4		9	16
	3MP	5		6	9
	8MP	8		4	6

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

ZKBioSecurity Video Linkage Devices List

V1.0 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-BB513	3.2.0_R - V5000 3.0.0_R	√	√	×	√	16	16
	IPC		GT-BD513		√	√	×	√	16	16
	IPC		GT-DC520-P		√	√	×	√	16	16
	IPC		PT-BA2940J		√	√	×	√	16	16
	IPC		PT-BA2940A		√	√	×	√	16	16
	IPC		PT-DA2604Q		√	√	×	√	16	16
	NVR		GT-NR601		×	√	√	√	20	80
	NVR		ZN0008025		×	√	√	√	20	160
	DVR		GT-AD8401W		×	√	√	√	20	80
	DVR/NVR		GT-AD8320BW		×	√	√	√	20	160
	NVR		PT-NVR1104		×	√	√	√	20	80
	IPC		ZN0M2532		√	√	×	√	16	16
	IPC		ZN0P472		√	√	×	√	16	16
	IPC		ZN0E572		√	√	×	√	16	16
	NVR(4 channels)		ZK-NV0401		×	√	√	√	20	80
HIKVISION	IPC	DS	DS-2CD2021-I	3.2.0_R - V5000 3.0.0_R	√	√	×	√	16	16
	NVR	DS	DS-7608NI-E2/8P		√	√	√	√	20	160
	Multi-DVR	DS	DS-7316HHI-SH		√	√	√	√	20	320
Dahua	IPC		DH-IPC-HFW1435S-V2		√	√	×	√	16	16
			DH-NAC-HDW1100S		√	√	×	√	16	16
	NVR		NVR4104H-P		√	√	√	√	20	160
	DVR		DH-HCVR5108HS-V3		√	√	√	√	20	80
	HDCVI		HCVR5104H-S2		√	√	√	√	20	80
	HDCVI		HCVR5104H-S3		√	√	√	√	20	80
	HDCVI		XVR5104		√	√	√	√	20	80
	HDCVI		HCVR5108H-S2		√	√	√	√	20	160
	HDCVI		HCVR5108H-S3		√	√	√	√	20	160
	HDCVI		XVR5108		√	√	√	√	20	160
	HDCVI		HCVR5116H-S2		√	√	√	√	20	320
	HDCVI		HCVR5116H-S3		√	√	√	√	20	320
	HDCVI		XVR5116		√	√	√	√	20	320
	HDCVI		HCVR5216A-S2		√	√	√	√	20	320
	HDCVI		HCVR5216A-S3		√	√	√	√	20	80
	HDCVI		HCVR7204A-S2		√	√	√	√	20	80
	HDCVI		HCVR7104H-S2		√	√	√	√	20	80
	HDCVI		HCVR7104H-S3		√	√	√	√	20	80
	HDCVI		XVR7104		√	√	√	√	20	160
	HDCVI		HCVR7108H-S2		√	√	√	√	20	160
	HDCVI		HCVR7108H-S3		√	√	√	√	20	160
	HDCVI		XVR7108		√	√	√	√	20	320
	HDCVI		HCVR7116H-S2		√	√	√	√	20	320
	HDCVI		HCVR7216A-S2		√	√	√	√	20	320
	IPC		PC-HDBW1005P		√	√	×	√	16	16
	IPC		IPC-HDBW4216MP		√	√	×	√	16	16
	IPC		IPC-HFW5202CP		√	√	×	√	16	16
	IPC		IPC-HFW-1220SP		√	√	×	√	16	16
	IPC		IPC-HFB301EP		√	√	×	√	16	16
	IPC		HFW5300P		√	√	×	√	16	16
	IPC		HFW2100P-VF		√	√	×	√	16	16
	IPC		HFW2120P-Z5		√	√	×	√	16	16
	IPC		IPC-HDW1120SP		√	√	×	√	16	16
	IPC		IPC-HDBW5221EP-Z		√	√	×	√	16	16
	IPC		IPC-HFS121E		√	√	×	√	16	16
	IPC		IPC-HFS121E		√	√	×	√	16	16
	IPC		IPC-HFW5221E-Z		√	√	×	√	16	16
	IPC		IPC-HDBW5421E-Z		√	√	×	√	16	16
Dahua	NVR		NVR4204-4P	3.2.0_R - V5000 3.0.0_R	√	√	√	√	20	80
	NVR		NVR4208-8P		√	√	√	√	20	160
	NVR		NVR4216-8P		√	√	√	√	20	320
ZKTeco	IPC	8000	ES-852T12H	3.2.0_R - V5000 3.0.0_R	√	√	×	√	16	16
	IPC		ES-852T11H		√	√	×	√	16	16
	IPC		ES-852T13H		√	√	×	√	16	16
	IPC		BS-852T11K		√	√	×	√	16	16
	IPC		BS-852T12K		√	√	×	√	16	16
	IPC		BS-852T13K		√	√	×	√	16	16
	IPC		BL-852T08L		√	√	×	√	16	16
	IPC		DL-852T08B		√	√	×	√	16	16
	IPC		EL-852T20I		√	√	×	√	16	16
	IPC		ES-852O12H		√	√	×	√	16	16
	IPC		ES-852O11H		√	√	×	√	16	16
	IPC		ES-852O13H		√	√	×	√	16	16
	IPC		BS-852O11K		√	√	×	√	16	16
	IPC		BS-852O12K		√	√	×	√	16	16
	IPC		BS-852O13K		√	√	×	√	16	16
	IPC		BL-852O20L		√	√	×	√	16	16
	IPC		EL-852O28I		√	√	×	√	16	16
	IPC		DL-852O28B		√	√	×	√	16	16
	IPC		ES-854K12H		√	√	×	√	16	16
	IPC		ES-854K11H		√	√	×	√	16	16
	IPC		ES-854K13H		√	√	×	√	16	16
	IPC		BS-854K11K		√	√	×	√	16	16
	IPC		BS-854K12K		√	√	×	√	16	16
	IPC		BS-854K13K		√	√	×	√	16	16
	IPC		BL-854K08L		√	√	×	√	16	16
	IPC		EL-854K28I		√	√	×	√	16	16
	IPC		DL-854K28B		√	√	×	√	16	16
	IPC		FC120		√	√	×	√	16	16
ZKTeco	NVR	8000	ZS5040ER	3.2.0_R - V5000 3.0.0_R	×	√	√	√	20	80
	NVR		ZS5080ER		×	√	√	√	20	160
	NVR		ZS5160ER		×	√	√	√	20	320
	NVR		ZS5040ER-4P		×	√	√	√	20	80
	NVR		ZS5080ER-8P		×	√	√	√	20	160
	NVR		ZS5160FR		×	√	√	√	20	320
	NVR		ZS5320FR		×	√	√	√	20	640
	NVR		ZS5160FR-16P		×	√	√	√	20	320
	NVR		ZS5128FR-16P		×	√	√	√	20	640
	NVR		ZS5360MR		×	√	√	√	20	720
	NVR		ZS5360MR-4F		×	√	√	√	20	720
	NVR		ZS5360HR		×	√	√	√	20	720
	NVR		ZS5640NR		×	√	√	√	20	1280
	NVR		ZS5640TR		×	√	√	√	20	1280
	NVR		ZS5128NTR		×	√	√	√	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 3.0.0_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 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	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	4GB	Dual core processor with speed of 2.4GHz or above	30GB
2	Medium Enterprise Project	Single Server	Access Control: ≤ 200 doors (PUSH Firmware only) or Time Attendance: ≤ 100 points 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	V5000						8GB	Dual core processor with speed of 2.4GHz or above	50GB
3	International Enterprise Project	Single Server	Access Control: ≤ 1200 doors (PUSH Firmware only) or Time Attendance: ≤ 600 points 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	V5000						8GB	Dual core processor with speed of 2.4GHz or above	100GB
		Multiple Server	Access Control: > 1200 doors (PUSH Firmware only) or Time Attendance: > 600 points 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	V5000						16GB	X64-capable dual core processor with speed of 2.7GHz or above	200GB

* The system configration 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.