

ZKBioSecurity Access Control Devices List

V1.4 2019.3.1

No.	Device Type	Model Name	Firmware Version	Software Version	Remark
1	Controller	InBio160 Pro	AC Ver 5.7.7.3033 Jan 20 2018	ZKBioSecurity3.1.0.0_R or above	
		InBio260 Pro			
		InBio460 Pro			
2	Standalone Devices	inPulse+	 Ver8.0.4.2-20181030 or above	ZKBioSecurity3.1.5.0_R or above	The firmware Ver 8.0.4.2-20181030 or above can be used with ZKBioSecurity3.1.5.0_R version to support more functions such as advanced access control, remote registration, etc. Please refer to the changelog for more details.
		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	Ver8.0.4.2-20181030 or above		
3	 Visible Light Facial Recognition Devices	FaceDepot-7A	Ver1.0.118 or above	ZKBioSecurity3.1.5.0_R or above	
		FaceDepot-7B	Ver1.0.118 or above	ZKBioSecurity3.2.0.0_R or above	
		SpeedFace-H5	Ver1.0.118 or above		
		SpeedFace-V5	Ver1.0.118 or above		



ZKBioSecurity Elevator Control Devices List

V1.4 2018.11.1

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	ZKBioSecurity3.1.0.0_R or above	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				

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ZKBioSecurity Time Attendance Devices List

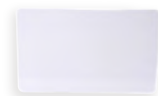
V1.2 2019.3.1

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	ZKBioSecurity3.1.0.0_R or Above
2		G2			
3		G3			
4		G3 Plus	Ver 2.0.30-20171110 or Above	Ver 8.0.4.1-20171121 or Above	
5	NEW Visible Light Facial Recognition Devices (Push)	FaceKiosk-H21	Ver 2.0.34 or Above	Ver 2.1.18 or Above	ZKBioSecurity3.1.5.0_R or Above
6		FaceKiosk-H32			
7		FaceKiosk-V32			
8		FaceKiosk-V43			
9		G4	Ver 2.4.0 or Above	Ver 1.0.140 or Above	ZKBioSecurity3.2.0.0_R or Above

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ZKBioSecurity Consumption Module Devices List

V1.0 2019.3.1

No.	Device Type	Model Name	Model Type	Firmware Version	Photo	Software Version	Remark
1	NEW Consumption Device	ProMerc-10	Hanging	Ver 5.3.6.3_E or above		ZKBioSecurity3.2.0.0_R or above	
		ProMerc-20	Desktop	Ver 5.3.6.2_E or above			
2	Mifare Card Encoder	CR20MW					
3	Mifare Card	S50/S70					

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ZKBioSecurity Parking Module Devices List

V1.1 2018.11.1

No.	Devices Type	Model Name	Software Version
1	LPR Camera	LPRC100	ZKBioSecurity3.1.5.0_R or above
2	NEW LPR Integrated Machine	LPRS1000	ZKBioSecurity3.1.5.0_R or above
		LPRS2000	
3	UHF Card Encoder	UR10R-1E	ZKBioSecurity3.1.5.0_R or above
		UR10R-1F	
4	UHF Reader	UHF1-10E	
		UHF1-10F	
		NEW UHF 6F Pro	
		NEW UHF 6E Pro	
5	UHF Standalone Device	U2000E	
		U2000F	
6	UHF Card	UHF1-Tag1	
		UHF1-Tag3	
		NEW UHF Parking Card	
		NEW UHF Parking Tag	

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ZKBioSecurity Common Hardware Support List

V1.1 2018.11.1

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 ID Card	Malaysia	IDENTIV	uTrust 2700 R	√	NA		Personnel Hotel Visitor	ZKBioSecurity3.1.0.0_R or Above	
2			U.A.E	ACS	ACR38U-I1	√	NA				
3			Thailand	Zoweetek	12026-3	√	NA				

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ZKBioSecurity Hotel Module Devices List

V1.1 2018.11.1

No.	Device Type	Model Name	Software Version	Remark
1	Hotel Lock	LH1000	ZKBioSecurity3.1.0.0_R or above	
		LH3000		
		LH3600		
		LH4000		
		LH5000		
		NEW LH6000		
		NEW LH6500		
		NEW LH6800		
2	Mifare Card Encoder	CR60W		Record Card must be S70 Mifare Card.
3	Mifare Card	S50/S70		

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ZKBioSecurity Hardware Support List for Personnel Module

V1.1 2018.11.1

No.	Hardware	Usage	Accessories					Software Version
			Recommended					
			Brand	Model	USB Cable	Driver	Photo	
1	Card Printer	Print information on the card for employees.	FARGO	DTC1250e	✓	Download from HID website		ZKBioSecurity 3.1.0.0_R or above
2			IDP	SMART-50S	✓	Download from IDP website		
3			NEW ZKTeco	ZKCP100	✓	Download from built-in CD		ZKBioSecurity 3.1.5.0_R or above

ZKTeco ZKBioSecurity Hardware Support List for Visitor Module

V1.4 2018.11.1

No.	Hardware	Usage	Accessories					Software Version	Remark
			Recommended						
			Brand	Model	USB Cable	Driver	Picture		
1	NEW Multifunctional ID Document Scanner for Document Authentication	Easily and efficiently scans ID cards, passports, driver licenses, visas, etc.	Desko	PENTA Scanner	✓	NA		ZKBioSecurity 3.1.5.0_R or above	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 into ZKBioSecurity Visitor, Personnel and Hotel modules.
2	Fixed mount Barcode Scanner	Read barcodes that printed on the visitor's badge.	ZKTeco	ZKT-BS25/30	✓	NA		ZKBioSecurity 3.1.0.0_R or above	
3	Barcode Scanner (Handheld)	Scan barcode on the visitor receipt or other certificates	MINDEO	MD2250+	✓	NA			
4	Card/Fingerprint Reader	Card Issue or Register fingerprint for visitors.	ZKTeco	CR10E&M/ 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			Main Camera: 5 Mega pixels 2592*1944 Vice Camera: 2 Mega pixels 1600*1200 Scan size: Up to A3 szie
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. When using USB camera and High-speed portable HD Doc Scanner together, interference willl possibly caused.
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. Offering ultra-fast, high-quality printing at up to 93 labels per minute, the QL-700 is featured by auto-cutter, giving a clean and accurate finished edge and allowing 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

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	ZKBioSecurity3.1.0.0_R or above	✓	✓	✗	✓	16	16
	IPC		GT-8D513		✓	✓	✗	✓	16	16
	IPC		GT-DC520-P		✓	✓	✗	✓	16	16
	IPC		PT-8A294K2		✓	✓	✗	✓	16	16
	IPC		PT-8A294K4		✓	✓	✗	✓	16	16
	IPC		PT-DA294K2		✓	✓	✗	✓	16	16
	NVR		GT-NR401		✗	✓	✓	✓	20	80
	NVR		ZKNV0802S		✗	✓	✓	✓	20	160
	DVR		GT-ADR401M		✗	✓	✓	✓	20	80
	DVR / NVR		GT-ADR3208M		✗	✓	✓	✓	20	160
	NVR		PT-NVR5104		✗	✓	✓	✓	20	80
ZKTeco	IPC		ZKMD532	ZKBioSecurity3.1.0.0_R or above	✓	✓	✗	✓	16	16
ZKTeco	IPC		ZKIP472		✓	✓	✗	✓	16	16
	IPC		ZKRS72		✓	✓	✗	✓	16	16
	NVR(4 channels)		ZK-NV0401		✗	✓	✓	✓	20	80
HIKVISION	IPC	DS	DS-2CD2012-I		✓	✓	✗	✓	16	16
	NVR	DS	DS-7608NI-E2/8P		✓	✓	✓	✓	20	160
	Multi-DVR	DS	DS-7316HWI-SH		✓	✓	✓	✓	20	320
Dahua	IPC		DH-IPC-HFW4100S-V2	ZKBioSecurity3.1.0.0_R or above	✓	✓	✗	✓	16	16
			DH-HAC-HDW1100S		✓	✓	✗	✓	16	16
	NVR		NVR4104H-P		✓	✓	✓	✓	20	160
	DVR		DH/HCVR41104HS-V3		✓	✓	✓	✓	20	80
Dahua	HDCVI		HCVR5104H-S2	ZKBioSecurity3.1.0.0_R or above	✓	✓	✓	✓	20	80
	HDCVI		HCVR5104H-S3		✓	✓	✓	✓	20	80
	HDCVI		XVRS104		✓	✓	✓	✓	20	80
	HDCVI		HCVR5108H-S2		✓	✓	✓	✓	20	160
	HDCVI		HCVR5108H-S3		✓	✓	✓	✓	20	160
	HDCVI		XVRS108		✓	✓	✓	✓	20	160
	HDCVI		HCVR5116H-S2		✓	✓	✓	✓	20	320
	HDCVI		HCVR5116H-S3		✓	✓	✓	✓	20	320
	HDCVI		XVRS116		✓	✓	✓	✓	20	320
	HDCVI		HCVR5216A-S2		✓	✓	✓	✓	20	320
	HDCVI		HCVR5216A-S3		✓	✓	✓	✓	20	320
	HDCVI		HCVR7204A-S2		✓	✓	✓	✓	20	80
	HDCVI		HCVR4104HS-S2		✓	✓	✓	✓	20	80
	HDCVI		HCVR4104HS-S3		✓	✓	✓	✓	20	80
	HDCVI		XVR4104		✓	✓	✓	✓	20	80
	HDCVI		HCVR4108HS-S2		✓	✓	✓	✓	20	160
	HDCVI		HCVR4108HS-S3		✓	✓	✓	✓	20	160
	HDCVI		XVR4108		✓	✓	✓	✓	20	160
	HDCVI		HCVR4116HS-S2		✓	✓	✓	✓	20	320
	HDCVI		HCVR4116HS-S3		✓	✓	✓	✓	20	320
	HDCVI		XVR4116		✓	✓	✓	✓	20	320
	HDCVI		HCVR4208A-S2		✓	✓	✓	✓	20	160
	HDCVI		HCVR4216A-S2		✓	✓	✓	✓	20	320
	HDCVI		HCVR7104H-S3		✓	✓	✓	✓	20	80
	HDCVI		HCVR7108H-S3		✓	✓	✓	✓	20	160
	HDCVI		XVR7104H-4M		✓	✓	✓	✓	20	80
	HDCVI		XVRS216AN		✓	✓	✓	✓	20	320
Dahua	IPC		IPC-HDW4100SP	ZKBioSecurity3.1.0.0_R or above	✓	✓	✗	✓	16	16
	IPC		IPC-HDW4421MP		✓	✓	✗	✓	16	16
	IPC		IPC-HFW5202CP		✓	✓	✗	✓	16	16
	IPC		IPC-HFW-1220SP		✓	✓	✗	✓	16	16
	IPC		IPC-HF8301EP		✓	✓	✗	✓	16	16
	IPC		HFW4300EP		✓	✓	✗	✓	16	16
	IPC		HFW2100RP-VF		✓	✓	✗	✓	16	16
	IPC		HFW2320RP-ZS		✓	✓	✗	✓	16	16
	IPC		IPC-HDW1220SP		✓	✓	✗	✓	16	16
	IPC		IPC-HDBWS221EP-Z		✓	✓	✗	✓	16	16
	IPC		IPC-HF5221E		✓	✓	✗	✓	16	16
	IPC		IPC-HF5121E		✓	✓	✗	✓	16	16
	IPC		IPC-HFW5221E-Z		✓	✓	✗	✓	16	16
	IPC		IPC-HDBWS421E-Z		✓	✓	✗	✓	16	16
Dahua	NVR		NVR4204-4P	ZKBioSecurity3.1.0.0_R or above	✓	✓	✓	✓	20	80
	NVR		NVR4208-8P		✓	✓	✓	✓	20	160
	NVR		NVR4216-8P		✓	✓	✓	✓	20	320
ZKTeco	IPC	NEW	ES-852T12H	ZKBioSecurity3.1.5.0_R or above	✓	✓	✗	✓	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-852T28L		✓	✓	✗	✓	16	16
	IPC		DL-852T28B		✓	✓	✗	✓	16	16
	IPC		EL-852T28I		✓	✓	✗	✓	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-852O28L		✓	✓	✗	✓	16	16
	IPC		EL-852O28I		✓	✓	✗	✓	16	16
	IPC		DL-852O28B		✓	✓	✗	✓	16	16
	IPC		ES-854N12H		✓	✓	✗	✓	16	16
	IPC		ES-854N11H		✓	✓	✗	✓	16	16
	IPC		ES-854N13H		✓	✓	✗	✓	16	16
	IPC		BS-854N11K		✓	✓	✗	✓	16	16
	IPC		BS-854N12K		✓	✓	✗	✓	16	16
	IPC		BS-854N13K		✓	✓	✗	✓	16	16
	IPC		BL-854N28L		✓	✓	✗	✓	16	16
	IPC		EL-854N28I		✓	✓	✗	✓	16	16
	IPC		DL-854N28B		✓	✓	✗	✓	16	16
	IPC		FC320		✓	✓	✗	✓	16	16
ZKTeco	NVR	NEW	Z8504NER	ZKBioSecurity3.1.5.0_R or above	✗	✓	✓	✓	20	80
	NVR		Z8508NER		✗	✓	✓	✓	20	160
	NVR		Z8516NER		✗	✓	✓	✓	20	320
	NVR		Z8504NER-4P		✗	✓	✓	✓	20	80
	NVR		Z8508NER-8P		✗	✓	✓	✓	20	160
	NVR		Z8516NFR		✗	✓	✓	✓	20	320
	NVR		Z8532NFR		✗	✓	✓	✓	20	640
	NVR		Z8516NFR-16P		✗	✓	✓	✓	20	320
	NVR		Z8532NFR-16P		✗	✓	✓	✓	20	640
	NVR		Z8536NMR		✗	✓	✓	✓	20	720
	NVR		Z8536NMR-4F		✗	✓	✓	✓	20	720
	NVR		Z8536NHR		✗	✓	✓	✓	20	720
	NVR		Z8564NHR		✗	✓	✓	✓	20	1280
	NVR		Z8564NTR		✗	✓	✓	✓	20	1280
	NVR		Z85128NTR		✗	✓	✓	✓	20	2560

ZKBioSecurity 3rd Party Onvif Cameras Supported List

V1.1 2018.11.1

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	ZKBioSecurity3.1.0.0_R or above	✓	✓	✗	✓	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

V1.1 2018.11.1

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	

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ZKBioSecurity Server Configuration

V1.5 2019.3.1

No.	Application Scenarios	Server Quantity	Usage	Software Version	Recommended Database	Firewall	Server OS	Client's Browser	Screen Resolution	Minimum Server Configuration			Recommended Server													
										RAM	CPU	Hard Disk Space	Brand	Model Name	RAM	CPU	Hard Disk	Reference Budget								
1	SME Project	Single Server	Access Control: ≤50 devices (PUSH Firmware only) or Time Attendance: ≤50 devices	ZKBioSecurity3.2.0.0_R or above(*32bit Package)						4GB	Dual core processor with speeds of 2.4GHz or higher	30GB	DELL	Optiplex 3020	8GB (4GB+4GB) 1600MHz DDR3	Intel Core i3-4130 CPU @3.4GHz quad core (i3/i5/i7)	500G	USD 560								
			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																							
2	Medium Enterprise Project	Single Server	Access Control: ≤100 devices (PUSH Firmware only) or Time Attendance: ≤100 devices	ZKBioSecurity3.2.0.0_R or above(*32bit Package)	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	Chrome Opera Firefox IE11 Safari	1024*768 or above	8GB	Dual core processor with speeds of 2.4GHz or higher	50GB	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								
			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: ≤10 devices																							
3	International Enterprise Project	Single Server	Access Control: ≤200 devices (PUSH Firmware only) or Time Attendance: ≤200 devices	ZKBioSecurity3.2.0.0_R or above(*32bit Package)						1024*768 or above	8GB	Dual core processor with speeds of 2.4GHz or higher	100GB	DELL	PowerEdgeR520	32GB DDR3	Intel Xeon E5-2407 V2 @2.4GHz quad core	DELL PERC S110 (1999G)	USD 3,000							
			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: ≤10 devices																							
		Multiple Server	Access Control: >200 devices (PUSH Firmware only) or Time Attendance: >200 devices	ZKBioSecurity3.2.0.0_R or above(*32bit Package)							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																							

• 1. The 32bit package(EN_ZKBioSecurity3.2.0.0_R_X86) can be installed on both the 32bit and 64bit windows system.
2. This 64bit package(EN_ZKBioSecurity3.2.0.0_R_X64) can only be installed on 64bit windows system.