KF1000 Pro Series

Professional Visible Light Facial Authentication & RFID Reader

| Facial Authentication | RFID | TCP/IP | RS485 |

Compatible with
ZKBio CVSecurity

KF1100 Pro   KF1200 Pro

ZKTeco's KF1100 Pro & KF1200 Pro is a sophisticated visible light facial authentication and RFID reader. This series can operate either as a biometric readers or as standalone access control devices, offering you the flexibility to choose the mode that best suits your needs.

Designed to integrate seamlessly with the inBio Pro Plus controllers, the KF1100 Pro & KF1200 Pro can capture and convert face images into face templates as small as 512 bytes. The face templates will then be transmitted to the inBio Pro Plus controllers via RS-485 for authentication. The KF1100 Pro & KF1200 Pro are equipped with TCP/IP port, allows for fast data synchronization with the controllers, raising the bar for stable and precise facial authentication capabilities.

Also, KF1100 Pro & 1200 Pro showcase its versatility when deployed as a visible light facial authentication standalone access control device with a DM10 (door lock extension panel). KF1100 Pro & 1200 Pro is compatible with the ZKBio CVSecurity through ZKTeco A&C PUSH protocol.

Feature

Biometric Reader Mode (via RS-485)

• Dedicated to InBio Pro Plus controller to adopt facial authentication technology. (A maximum of face template capacity: 3,000; user capacity: 100,000).

• Fully compatible with ZKBio CVSecurity (V6.3.0).

• Support high-speed communication ports including TCP/IP, Wi-Fi (IEEE 802.11 a/g/n).

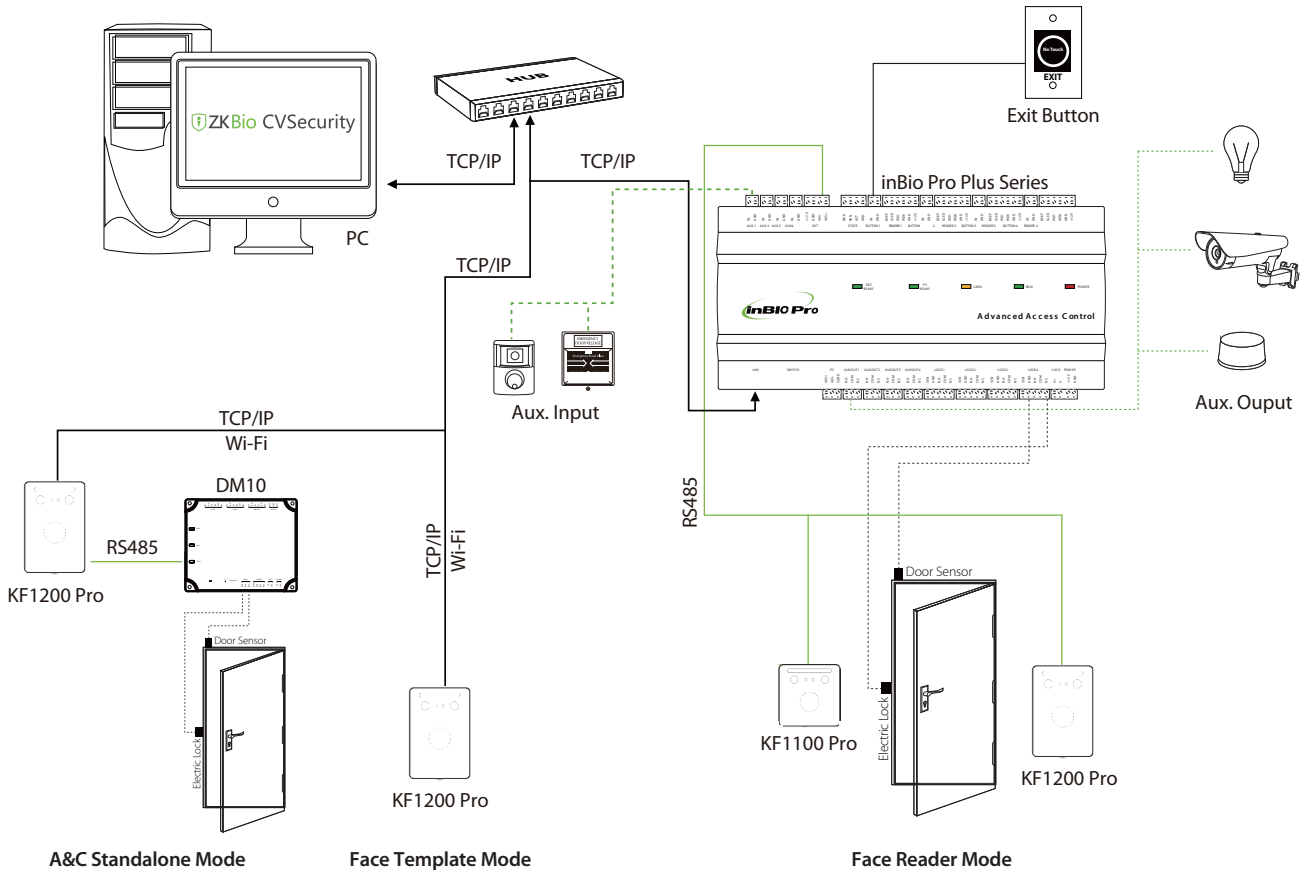• Capture and convert face images into face templates of just 512 bytes.

Visible Light Facial Authentication Standalone Device Mode (with DM10)

• Support a maximum of 1,500 face template / 30,000 cards / 100,000 transactions.

• Support high-speed communication ports including TCP/IP and Wi-Fi (IEEE 802.11 a/g/n).

• Fully compatible with ZKBio CVSecurity (V6.3.0).

• Support wall-mount and it is compatible with Asian gang-box (KF1100 Pro); compatible with Single gang-box (KF1200 Pro).

• User friendly on-board web server for quick system configuration.

• Advance protection standard fully compliant with ZKCSBL (ZKTeco Cyber Security Base Line).

Specifications

	KF1100 Pro	KF1200 Pro
Model	KF1100 Pro	KF1200 Pro
Display	N/A	
Camera	Dual Camera @ 2MP	
Operation System	Linux OS	
Hardware	CPU: 1.2GHz Dual Core RAM: 256MB; ROM: 512MB	
Authentication Method	Face / Card	
Fingerprint Template Capacity	N/A	
Face Template Capacity	Face Reader Mode: 3,000 Store in InBio Pro Plus (Default) A&C Standalone Mode: 1,500 (1:N) (with DM10) (Optional)	
Palm Template Capacity	N/A	
Card Capacity	Face Reader Mode: 100,000 Store in InBio Pro Plus (Default) A&C Standalone Mode: 30,000 (1:N) (with DM10) (Optional)	
User Capacity	Face Reader Mode: 100,000 Store in InBio Pro Plus (Default) A&C Standalone Mode: 30,000 (1:N) (with DM10) (Optional)	
Transaction Capacity	Face Reader Mode: 500,000 Store in InBio Pro Plus (Default) A&C Standalone Mode: 100,000 (1:N) (with DM10) (Optional)	
Biometric Authentication Speed	less than 0.3 sec (Facial Recognition)	
Touchless Biometric Authentication Distance	30cm to 50cm (Facial Recognition)	
Touchless Biometric Operating Lighting Environment	≤2,000 lux @ Face	
False Acceptance Rate (FAR) %	FAR ≤ 0.01%	
False Rejection Rate (FRR) %	FRR ≤ 0.02%	
Biometric Algorithm	ZKLiveface 3.5 / 4	
Card Type	ID Card @ 125 kHz (Standard) IC Card @ 13.56 MHz (Optional)	
Communication	Face Reader Mode: ZKTeco RS485*1 A&C Standalone Mode / Face Template Mode: TCP/IP*1 Wi-Fi (IEEE802.11a/g/n) @ 2.4 GHz (Optional)	
Mobile Communication	N/A	
Standard Functions	Face Reader Mode (with InBio Pro Plus) A&C Standalone Mode (with DM10) Face Template Mode (Default)	
Optional Functions	IC Card@13.56 MHz (Optional) Wi-Fi (IEEE802.11a/g/n) @ 2.4 GHz (Optional)	
Access Control Interface	A&C Standalone Mode (with DM10)	
Power Supply	DC 12V 3A	
Operating Temperature	-10℃ to 50℃	
Operating Humidity	10% to 90% RH (Non-condensing)	
Dimensions	91mm*91mm*13.8mm (L*W*H)	121mm*80mm*13.8mm (L*W*H)
Gross Weight	0.36 Kg	
Net Weight	0.27 Kg	
Supported Software	ZKBio CVSecurity	
Installation	Wall-mount (Compatible with Asian Gang Box)	Wall-mount (Compatible with Single Gang Box)
Housing Material	Aluminium Alloy	Aluminium Alloy
Ingress Protection Rating	N/A	
Certifications	ISO14001, ISO9001, CE, FCC, RoHS	
FactoryID	AC01-VL06H-P17	AC01-VL07H-P17

Configuration

| A&C Standalone Mode | Face Template Mode | Face Reader Mode |

Dimensions (mm)

KF1100 Pro

91mm
91mm
13.8mm

KF1200 Pro

121mm
80mm
13.8mm