ZKTeco

G5
Outdoor & Multi-Biometric Access Control Terminal

Compatible with
ZKBioSecurity

Compatible with
ZKBio Time

8"		IP66	IK04		
8 Inch screen	Android 9.0	IP66	IK04	Built-in POE	Facial Recognition

Features

- 8 inch TFT color touch screen with narrow bezel design
- Support various biometrics authentication, including facial recognition, fingerprint verification, multi-tech cards detection and password
- Facial recognition distance: 0.3m to 3m, facial recognition duration less than 1 second per user, facial recognition accuracy rate ≥ 99%
- Record capacity reaches 5,000,000 ; user capacity reaches 100,000 ; face templates capacity: 100,000 ; card capacity: 100,000
- Dual-frequency (125kHz and 13.56MHz) card module (standard)
- Support Wiegand, RS-485, TCP/IP, Wi-Fi, Android LCDP, PUSH SDK
- Support encryption of all biometric credentials and personal information transfer that reaches AES-256 standard.
- Andriod LCDP for the 3rd-party application integration
- IEEE 802.3af/at PoE (Power over Ethernet) power supply
- Mask detection and human body temperature detection (optional)
- Anti-spoofing algorithm against print attack (laser, color, and B/W photos) and video attack
- Achieve IP66 waterproof & dustproof and IK04 vandal proof protection level

Specifications (G : GL Exclusive Feature)

System

Operation System	Android 9.0
CPU	64bit Eight Core Customized Computer Vision CPU
Storage	2GB LPDDR3 16GB eMMC
SDK	Android LCDP, PUSH SDK

Basic

Communication	TCP/IP, Wi-Fi, Bluetooth, USB
G Display	8 inch TFT LCD Color Screen
Screen Type	Capacitive Touch Screen
Resolution	800*1280
Camera	2MP Binocular Camera
QR Code (optional)	Dynamic QR codes on the ZKBioSecurity mobile application QR code, PDF417, Data Matrix, MicroPDF417, Aztec scanning in third-party development projects
G Card Type	Dual-frequency (125kHz and 13.56MHz) card module (standard) Multi-tech Card Module (optional) ISO14443A/B & ISO15693 & HID Prox

Interface

USB	1 USB 3.0, 1 USB 2.0, 1 Micro USB
Power Adapter	12V 3A
Ethernet	RJ45, 1000M;
RS232	1
RS485	1
Wiegand	1 input, 1 output
Auxiliary input	1
Sensor	1
Exit Button	1
Lock	1
Alarm	1
Bell	1
Power out	1, 12V
Reset Button	1

Performance

G Protective level	IP66 without Fingerprint /QR Code Reader IP65 with Fingerprint /QR Code Reader IK04
Card reading distance	1cm–5cm
Face Recognition Range	Face-camera distance: 0.3 m to 3.0 m; Human height: 0.9 m to 2.4 m
Face Verification Accuracy	≥99%

(continued)

Face Recognition Time	< 1s
Fingerprint Sensor Type(optional)	Optical
Fingerprint Comparison Time	≤0.5s
Facial Recognition Method	1:1, 1:N
Fingerprint Verification Method	1:1, 1:N
Facial Recognition Algorithm	ZKFace 5.6.2
Fingerprint Recognition Algorithm	ZKFinger 10.0

Firmware

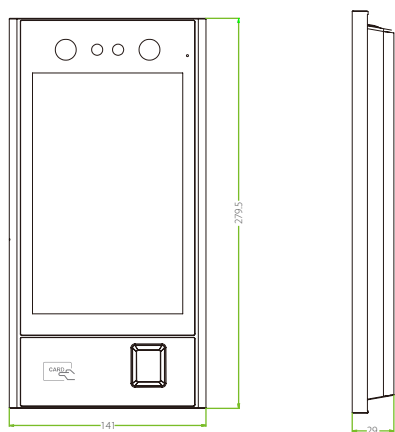|	
G User Capacity	100,000
G Face Templates Capacity	100,000
Fingerprint Capacity (optional)	30,000
Card Capacity	100,000
G Record Capacity	5,000,000
Standard Firmware Functions	Push, Schedule Bell, Automatic Status Switch, Record Query, Access Levels, Groups, Holidays, DST, Duress Mode (Password & Fingerprint), Anti-Passback, Customization of Wallpaper & Screen Saver,Tamper Alarm
Language	English, Korean, Latin American, Indonesian, Vietnamese, traditional Chinese, Portuguese, Spanish, Farsi, Japanese, Russian and Thai
Software	BioTime 8.0, ZKBioSecurity, ZKBioCV Security

Body Temperature Detection(optional)

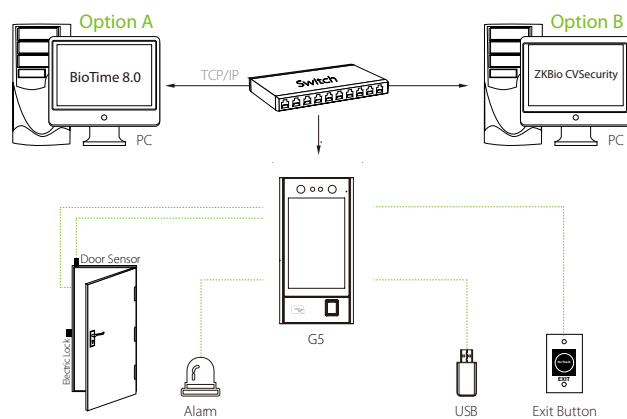|	
Preventative Measures	Mask detection/Body temperature detection
Temperature Measurement Distance	50cm to 120cm(1.64ft to 3.94ft)
Temperature Measurement Accuracy	±0.3°C(±0.56°F)
Temperature Measurement Range	20°C to 50°C (68°F to 122°F)

General

G Power Supply	12V 3A; PoE (IEEE802.3af/at)
Dimensions	279.5mm*141mm*29mm(11in*5.55in*1.14in)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	<90%RH
Operating Environment	Outdoor
Gross Weight	1.2kg
Installation Method	Wall-mounted or Turnstile top-mount bracket
Certifications	CE,FCC,ISO9001,ISO14001,IP66 ,IK04

Dimensions (mm)

Configuration