G4[TI]

Android Multi-Biometric Facial Recognition and Thermal Image Temperature Detection Terminal

Compatible with ZKBioSecurity

G4[TI] is an upgraded version of the G4[TD] Visible Light Facial Recognition Terminal with Temperature Detection using intelligent engineering facial recognition algorithms and the latest computer vision technology.

Based on the existing firmware and hardware configuration of G4[TD] as well as the mighty computing power and facial recognition algorithm, the terminal integrates a large resolution thermal imaging module with Computer Vision facial recognition system.

G4[TI] supports facial recognition with large capacity and speedy recognition and other authentication methods, including identification with fingerprint, card, and password. G4[TI] improves security performance in all aspects.

G4[TI] adopts touchless recognition technology and new functions, namely body temperature detection and masked individual identification. Without requiring physical contact with surfaces that might have contaminated significantly reduces the infection risk. G4[TI] is also equipped with an ultimate anti-spoofing algorithm for facial recognition against almost all types of fake photos and videos attack.

Through the fast and accurate body temperature measurement and masked individual identification functions, G4[TI] is a perfect choice to help reduce the spread of germs and help prevent infections straightly at each access point of any premises and public areas, such as hospitals, factories, schools, commercial buildings, stations.

If the function mentioned above cannot satisfy customers' needs, we can provide an EDK embedded development kit and adjustment tools. Based on our robust and stable platform, the client's R&D team can quickly develop, integrate, and debug the entire embedded system.

Features

RFID Card Recognition | Revolutionary SilkID Fingerprint Sensor | QR Code Scanning | Temperature Detection | Mask Detection | Visible Light Facial Recognition | Android Open Platform

Body Temperature Detection Specifications

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)

Specifications (G: GL Exclusive Feature)

Capacity

User	10,000
Face	10,000
Fingerprint	10,000
ID Card	10,000
Transaction	100,000

Communication

TCP/IP
USB Host
Wiegand Input
Wiegand Output
Bluetooth, WIFI

Access Control Interface

Lock Relay Output
Exit Button
Alarm Output
Door Sensor
External Bell

Hardware

High-Performance Android Industrial CPU
2GB DDR3 RAM
16GB ROM
G QR Code Module
(Optional: SilkID Fingerprint Sensor)
7-inch Touch Screen, 1280*800 Pixels
2MP Binocular Camera

Standard Functions

ID Card / Work Code / Push
DST / Schedule Bell
Automatic Status Switch
Record Query / Photo ID

Special Functions

Enhanced Visible Light Facial Recognition
Live Face Detection
Live Fingerprint Detection
Multiple Biometric Verification Modes

Optional Functions

G 13.56MHz IC Card / ICASS Card / HID Card

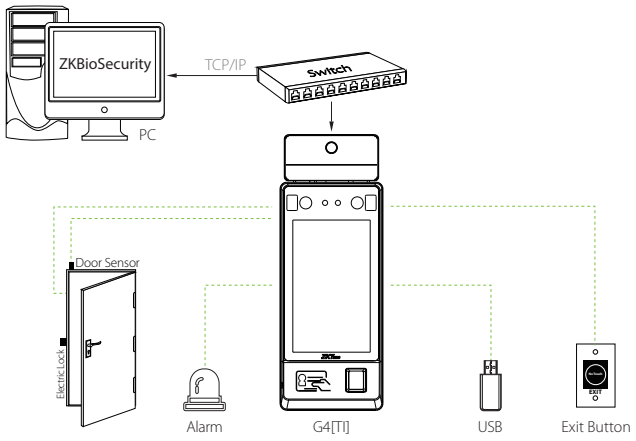
Compatibility

ZKBioSecurity (Only Access Control Firmware)

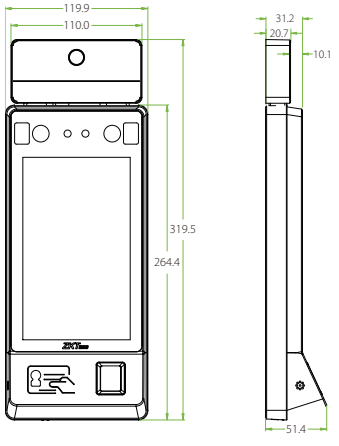
Additional Info

Algorithms	ZKFace5.6 & ZKFinger 10.0
Working Temperature	0°C to 50°C (32°F to 122°F)
Optimum Operating Temperature	10°C to 35°C (50°F to 95°F)
Working Humidity	<90%
Dimensions	246*120*51 mm (9.69*4.72*2 in)
Facial Recognition Speed	≤1s
Facial Recognition Distance	0.5m to 3m
Power	DC12V 3A

Configuration



Dimensions (mm)



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