MegPass Face Recognition Access Control Terminal（5"）

MegEye-W4K-I51-N0 is a facial recognition terminal of the MEGVII hardware product family. This device provides a safe, fast, and smooth passing experience for customers by its cutting-edge algorithm based on deep learning, and the infra + RGB cameras. This is mainly applied in security access control systems, such as reception, attendance, etc.

Product Features

Recognition

50,000 face capacity, accuracy > 99.8%, speed ≤ 200 ms.

Light Adaptability

Working in different light environment, even in 0 lux dark scene.

Anti-Spoofing

RGB+IR liveness detection, effectively defending against various forms of attacks such as photos, 3D paper models.

Multifunction

Supporting multiple authentication such as card and QR codes. Connecting with various peripheral modules such as Wiegand, etc.

Integration

Rich REST API and SDK make integration very easy and friendly.

Application Scenarios

Building

Campus

Community

Hotel

Resort

Factory

Specification

Model: MegEye-W4K-I51-N0

System	
Operation system	Linux
Main Processor	Embedded Processor Hi3516 DV300
RAM	512MB
ROM	4G
Network Protocol	IPv4, TCP, UDP
Open API	Support

Display	
Screen Size	5-inch
Screen Resolution	1024*600
Screen Type	Capacitive touch screen
Status indicator	Breathing lamp design Normal recognition: Blue light flashes 4 times; No permission: Green light flashes 4 times; Other conditions: White light always on

Video & Audio	
Camera resolution	RBG + IR (2MP)
Camera FOV	D: 69.5° H: 61.6° V: 35°
Minimum FR illuminance	0 lux (without compensation light)
WDR	Backlight resistance
Vioice prompt	Support

Interface	
Network interface	1* 100M Ethernet port
RS-485	1
Wiegand	1 in/ 1 out
Lock output	1
Exit button input	1
Door contact input	1
Alarm input	2
Alarm output	1
Power	1
TAMPER	1
USB type C	1

Capacity	
Card capacity	50,000
Face capacity	50,000
Password capacity	50,000
Event capacity	50,000
Personnel group	128

Authentication	
Authentication method	Face/Card/Password/QR code, Face+Card, Face+Password
Card type	Mifare card
Card reading distance	0 to 2 cm
Card reading speed	< 1 s
Face recognition distance	0.3 to 2 m
Face recognition speed	< 0.2 s
Face recognition accuracy	≥99.8%

Function	
Language	Chinese, English, Thai
Remote unlock	Support
Anti-passback	Support (API Supported)
Face anti-spoofing	Support
Time synchronization	Support
Standby mode	Support (can change background display)
Mask recognition	Support
Web configuration	Support

General	
Wi-Fi	Support
Power supply	DC 12V, 2A
Working temperature	-10℃ ~ 55℃
Working humidity	0 to 90% (Non-condensing)
Working envirionment	Indoor
Dimensions	163.4mm ×75.9mm × 19.5mm
Protective level	IP54
Housing material	PC+ABS; Aluminum alloy frame
Net weight	335g
Installation	Wall mount
Certifications	CE

Specification
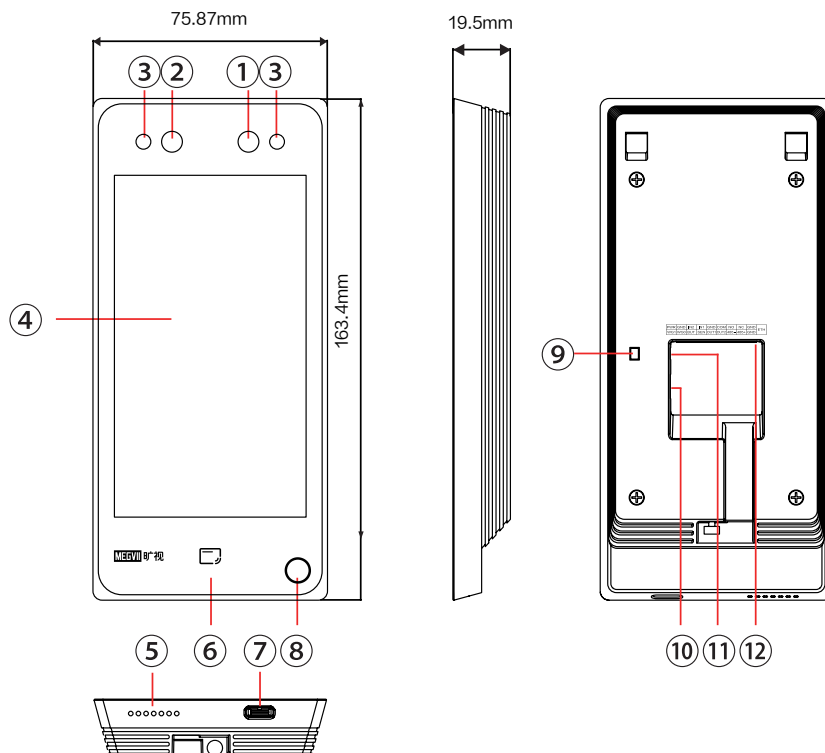
No.	Name	Description
1	Visible light camera	Captures visible light images
2	Infrared camera	Captures infrared images
3	Infrared fill light	Provides fill light for the infrared camera
4	Display screen	5-inch multi-touch display screen
5	Speaker	Plays audio prompts
6	Card tap area	Users tap their cards here
7	USB port	A Type C port for connection with USB drives
8	Indicator light	Indicates the access result and power status
9	Tamper prevention button	Prevents disassembly after installation
10	RS232 debugging port	Used for troubleshooting and upgrades
11	Reset button	Long-press to restore to factory default settings
12	External cable connection	Used for connection to a power source

Contact