FACE RECOGNITION DEVICE
IDT FACE100K
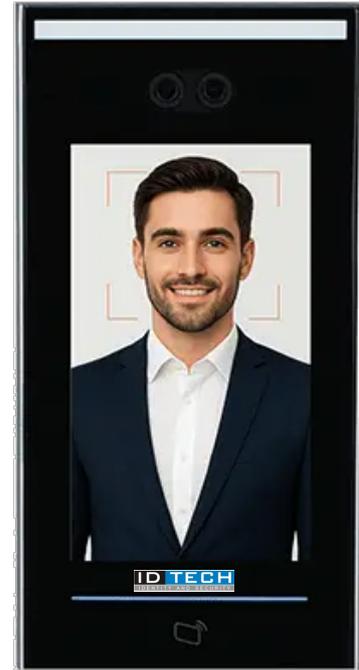
Verification

Face	Password	Card	QR

Features

AI Based	Mask Detection	Live Detection	Cloud
Touch Screen	WDR	IP65 Rating	MultiFace

FEATURES

- 2.5D curved screen
- 7-inch LCD display with a resolution of 1024 × 600.
- 2 MP CMOS camera with WDR.
- Vehicle-grade LCD, operating temperature: –30°C to 60°C.
- IP65 protection (Silicone sealant required; see the Quick Start Guide for details).
- Auto fill light to reduce light pollution.
- Capacity: 100,000 Users, 100,000 Faces, 100,000 Cards, 100,000 Passwords, 50 Administrators, and 300,000 Records.
- Supports Face, Mifare Card, Password, and QR Code unlock methods, including combination unlock modes.
- Equipped with a face detection box; the largest face appearing simultaneously is recognized first. Maximum face size is configurable on the web interface.
- Face-camera distance: 0.3 m – 2.0 m; Supported human height: 0.9 m – 2.4 m (lens height: 1.4 m from the ground).
- Advanced face recognition algorithm capable of identifying 360+ facial positions.
- Face recognition speed: 0.2 s per face.
- Supports liveness detection.
- Accurate recognition in front light and backlight conditions.
- Multiple unlock status display modes to protect user privacy.
- Supports duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, and illegal card threshold alarm.
- Supports general users, patrol users, VIP users, guest users, and special users.

VERIFICATION MODE & CAPACITY

User Capacity	100,000
Face Capacity	100,000
Password Capacity	100,000
QR Capacity	100,000
Card Capacity	100,000
Fingerprint Capacity	100,000
Log Capacity	3,00,000

SYSTEM

Screen Type	Capacitive Touchscreen
Display Screen	7 Inch LCD
Screen Resolution	600(H) X 1024(V)
Main Processor	Embedded Processor
Network Protocol	IPv4, TCP, RTSP, UDP, P2P
SDK & AP	Support SDK

COMMUNICATION

Unlock Mode	Face, Password, Card & QR
Card Reading Type	MIFARE Card
Web Configuration	Yes
Peripheral Card Reader	1 RS-485, 1 Weigand
Real-Time Surveillance	Yes
Remote Verification	Yes
Multi-User Authentication	Yes

PERFORMANCE

Face Recognition Height Range	0.9m - 2.4m
Face Recognition Distance	0.3m - 2.0m
Card Reading Distance	1cm-3cm
Face Recognition Accuracy	>99.5%
Face Recognition Time	0.2s

PORT

RS-485	1
RS-232	1
Wiegand	1 input/output
USB	1 × USB 2.0 port
Network Port	2 ethernet port
Alarm Input	2 (Switch quantity)
Alarm Output	2 (Relay)
Alarm Linkage	Yes
Exit Button	1
Door Status Detection	1
Lock Control	1

ALARM

Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes

CAMERA

Camera	2-MP CMOS camera
WDR	DWDR
Light Compensation	Auto white light Auto IR light
Voice Prompt	Yes
Housing Material	PC/Alluminium Alloy/Tampered Glass
Status Indicator	1 indicator light. Red: Error; Green: Normal; Blue: Working.

GENERAL

Product Dimensions	250.6mm×129mm×30.5mm
Packaging Dimensions	Controller packaging: 380mm×235mm×124mm Protective case: 494mm×402mm×275mm
Power Supply	Provided
Power Supply Mode	DC 12V, 2A
Power Consumption	24W
Working Temperature	-20°C to +55°C
Working Humidity	0%RH – 90%RH (non-condensing)
Operating Environment	Indoor
Gross Weight	2 Kg
Installation Method	Wall mounted
Sealing	IP65

ORDER INFORMATION

Part Number	IDT.FACE.100K

APPLICATION AREA

Access Control   Staff Card   Car Parking   Payment