

FACE RECOGNITION DEVICE

IDT FACE50

Verification



Face



Card



Password

Features



Mask
Detection



Live
Detection



Cloud



WDR



Touch
Screen



FEATURES

- 7-inch IPS display, resolution 1024×600
- Features face mask detection and safety helmet detection
- Support face unlock, IC card unlock, and password unlock; unlock by period
- With a face detection box; the largest face among faces that appear at the same time is recognized first; the maximum face size can be configured on the web
- 2MP wide-angle WDR lens; with auto/manual fill light
- Face-camera distance: 0.3 m–2.0 m; human height: 0.9 m–2.4 m
- With a face recognition algorithm, the access controller can recognize more than 360 positions on a human face
- Face verification accuracy >99.5%; face comparison speed 0.35s per person; low falserecognition rate
- Support profile recognition; the profile angle is 0°–90°
- Support liveness detection
- Support duress alarm, tamper alarm, intrusion alarm, door contact timeout alarm, illegal card exceeding threshold alarm, and more
- Support general users, patrol users, VIP users, guest users, and the disabled users
- With 4 unlock status display modes

VERIFICATION MODE & CAPACITY

User Capacity 50000

Face Capacity 50000

Card Capacity 50000

SYSTEM

Screen Type	Capacitive Touchscreen
Display Screen	7 Inch IPS
Screen Resolution	600(H)X1024(V)
Main Processor	Embedded Processor
Network Protocol	IPv4, TCP, RTSP, UDP, P2P
SDK & AP	Support SDK

COMMUNICATION

Web Configuration	Yes
Peripheral Card Reader	1 RS-485, 1 Weigand
Real-Time Surveillance	Yes
Remote Verification	Yes
Multi-User Authentication	Yes

AUTHENTICATION

Face Recognition Height Range	Face camera distance: 0.3m-2.0m; Human height: 0.9m-2.4m
Card Reading Distance	1cm-5cm
Face Recognition Accuracy	>99.5%
Face Recognition Time	0.35s

PORT

RS-485	1
RS-232	1
Wiegand	1 input/output
USB	1 × USB 2.0 port
Ethernet	1 10M/100M 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	120dB
Light Compensation	Auto white light Auto IR light
Voice Prompt	Yes
Housing Material	PC+ABS
Status Indicator	1 indicator light. Red: Error; Green: Normal; Blue: Working.

GENERAL

Product Dimensions	283.0mm×130.0mm×36.9mm (11.14"×5.12"×1.45")
Packaging Dimensions	Controller packaging: 380mm×235mm×124mm (14.96"×9.25"×4.88") Protective case: 494mm×402mm×275mm (19.45"×15.83"×10.83")
Power Supply	Provided
Power Supply Mode	DC 12V 2A
Power Consumption	12W
Working Temperature	10°C to 55°C
Working Humidity	0%RH–90%RH (non-condensing)
Operating Environment	Indoor
Gross Weight	1.8kg (3.97 lb)
Installation Method	Wall mounted
Certifications	CE/ FCC / ROHS

ORDER INFORMATION

Part Number	IDT.FACE.50
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APPLICATION AREA



Access Control



Staff Card



Car Parking



Payment



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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