TIMEWATCH®
Presence perfect

Time Attendance & Access Control Terminal

TrueFace50

TrueFace50 is a high-capacity AI-powered face recognition time attendance and access control terminal designed for large-scale and high-security applications. Featuring a 7-inch IPS display, a 2 MP wide-angle WDR camera, and advanced face recognition technology, it delivers fast, accurate authentication with over 99.5% recognition accuracy in just 0.35 seconds.

Supporting Face, Card, Password & QR verification, along with liveness detection, it provides secure and reliable access control while preventing spoofing attempts. With support for up to 50,000 users, 50,000 face templates, 50,000 cards, 50,000 passwords, and 300,000 event records, the TrueFace50 is an ideal solution for corporate offices, industrial facilities, educational institutions, government buildings, and other high-traffic environments.

Verification & Features

Face | Password | Card | Multi Face | Mask Detection | Live Detection | Touch Screen | Wi-Fi (Optional) | Cloud | USB

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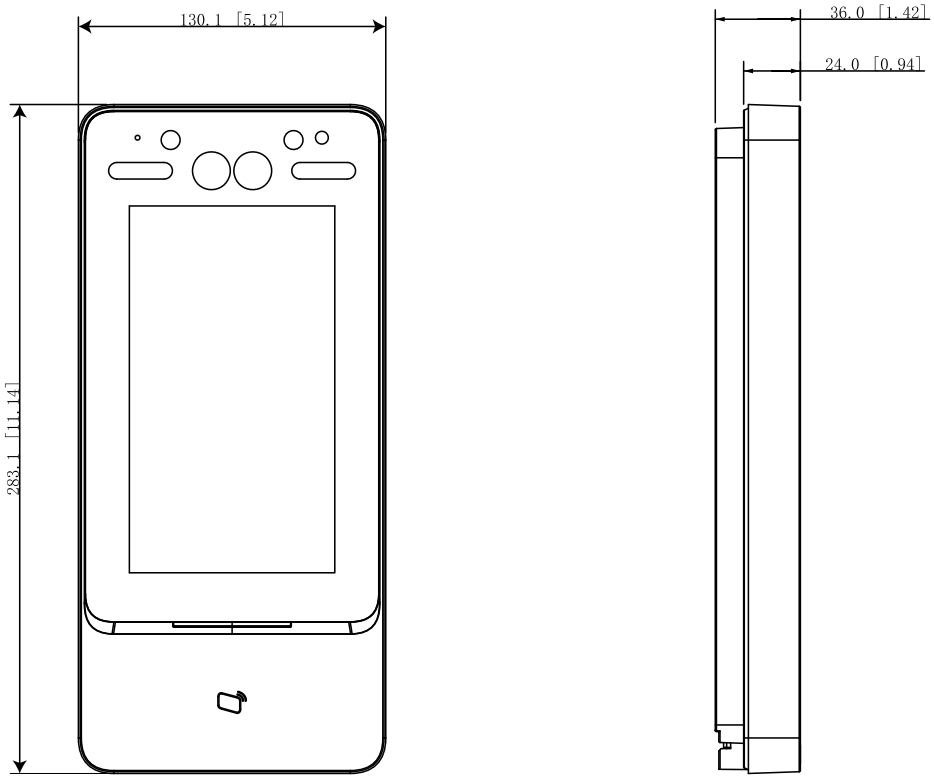
Technical Specification

Capacity	
User Capacity	50,000
Face Capacity	50,000
Card Capacity	50,000
Password Capacity	50,000
QR Capacity	50,000
Log Capacity	3,00,000
System	
Main Processor	Embedded Processor
Operating System	Linux
Network Protocol	UDP; TCP; IPv4; RTSP; SIP; P2P; RTP
OSDP Protocol	Yes
SDK and API	Yes
Basic	
Display Screen	7 inch IPS
Screen Type	Capacitive Touchscreen
Screen Resolution	600 x 1024
Camera	2-MP CMOS HD dual-lens camera
WDR	120 dB
Light Compensation	Auto IR
Voice Prompt	Yes
Casing	PC + ABS
Function	
Unlock Mode	Face, Card, Password and QR
Card Type	MIFARE Card
Period List	128 periods
Holiday Period	128 periods
First-Card Unlock	1 RS-485, 1 Wiegand
Peripheral Card Reader	Yes
Web Configuration	Yes

Performance	
Card Reading Distance	1cm–5cm
Face Recognition Height Range	0.9 m– 2.4 m
Face Recognition Distance	0.3 m–2 m
Face Recognition Accuracy	99.5%
Face Recognition Time	0.35 s
Port	
RS-485	1
RS-232	1
Wiegand	1 input/output
USB	1 USB2.0 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-Passback	Yes
Tamper Alarm	Yes
Duress	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
General	
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)

Gross Weight	1.8kg (3.97 lb)
Production Dimensions	283.0mm × 130.0mm × 36.9mm
Installation Method	Wall mounted

Dimension Drawing



Application

Education | Office | Government | Healthcare | Bank | Logistics | Factory | Retail

Disclaimer : All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.