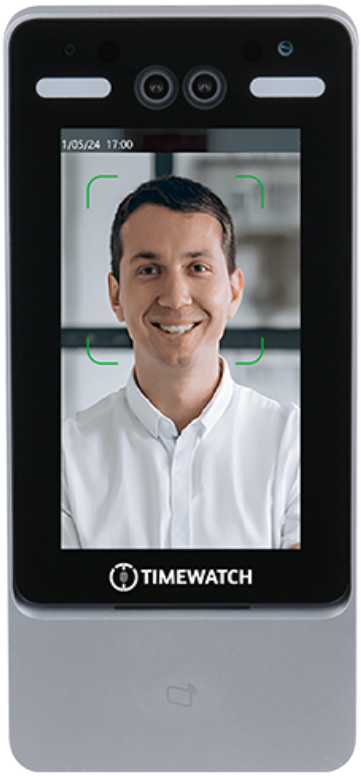
TIMEWATCH®
Presence perfect

Verification

Features



TrueFace Recognition Device

ULtraFAce-T50

- 7 inch LCD display
- Support Face, Card & Password
- Support 50,000 Face, 50,000 Card, 50,000 Password & 5,00,000 records
- 2 MP dual camera with IR cut off
- Face-camera distance: 0.3 m–2.0 m, human height: 0.9 m–2.4 m
- With face recognition algorithm, the access controller can recognize more than 360 positions on human face
- Face verification accuracy>99.5%; face comparison speed 0.35s per person; low false recognition rate
- Support liveness detection
- Mask Detection
- Support general users, patrol users, VIP users, guest users, and the disabled users
- Vandal proof box (Optional)
- Supports optional thermal module for real-time body temperature detection during authentication
- Real time push technology

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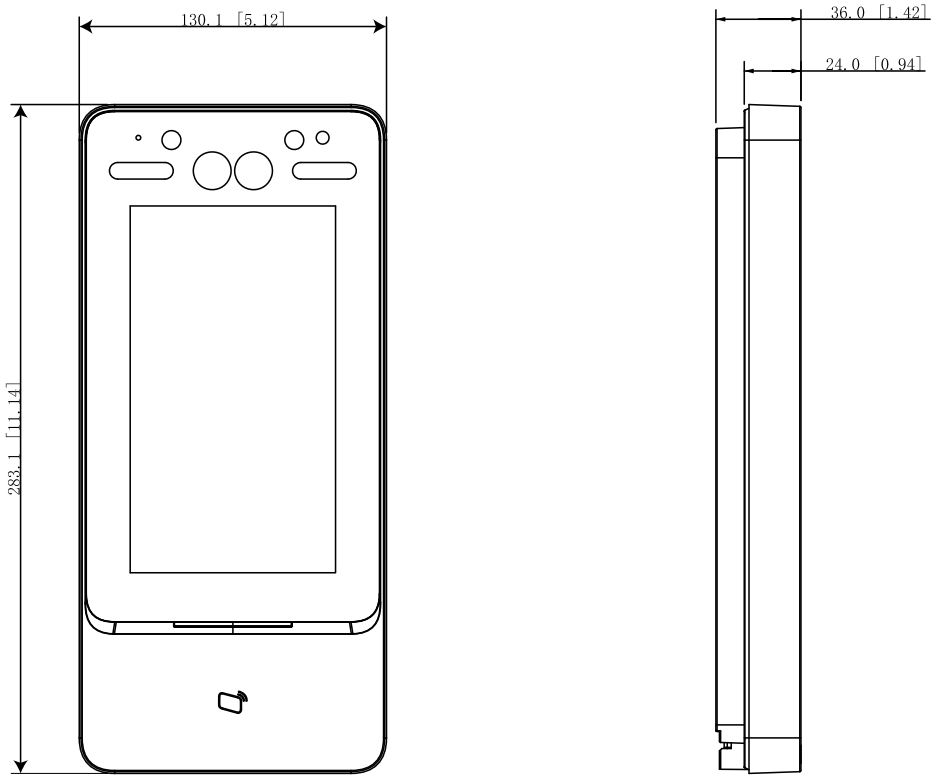
Technical Specification

Verification & Capacity	
Identification	Face, Card & Password
User Capacity	50,000
Face Capacity	50,000
Card Capacity	50,000
Password Capacity	50,000
Image Log	20,000
Log Capacity	5,00,000
System	
Operating System	Linux
Communication	TCP/IP, Wi-Fi, USB, Wiegand In/ Out, RS 485/232, GPRS/4G (Optional)
Main Processor	Embedded Processor
Internet Protocol	IPv4, RTSP, RTP, TCP, UDP, P2P
OSDP Protocol	Yes
SDK and API	Yes
Basic	
Memory	8 GB RAM & 16 GB Flash Drive
Display	7 inch LCD Display
Screen Type	Capacitive touch screen
Resolution	600×1024
Camera	2 MP dual camera with IR cut off
WDR	120dB
Light Compensation	Auto IR
Voice Prompt	Yes
Housing Material	PC+ABS
Function	
Unlock Mode	Face, Card & Password
Period List	128
Holiday Period	128
First-Card Unlock	Yes
Peripheral Card Reader	1 RS-485, 1 Wiegand
Web Configuration	Yes

Performance	
Card reading distance	1cm–5cm
Face Recognition Range	Face-camera distance: 0.3m-2.0m; Human height: 0.9m-2.4m
Face Verification Accuracy	>99.5%
Face Recognition Time	0.35s
Face Recognition	1:1 & 1:N
False Acceptance Rate (FAR)	0.0001%
False Rejection Rate (FRR)	0.1%
Ports	
RS-485	1
RS-232	1
Wiegand	1 input/output
USB	1 USB2.0 port
Ethernet	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	12V/7AH
Battery Backup	Yes
Power Consumption	12W
Working Temperature	-10°C to +65°C
Working Humidity	0%RH–99%RH (non-condensing)

Production Dimensions	283.0mm × 130.0mm × 36.9mm
Installation Method	Wall mounted
Certificate	BIS

Dimension Drawing



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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.