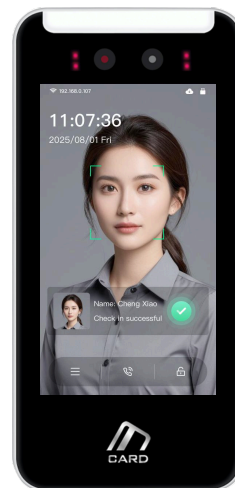


WO501 Specification

Smart Life Video Intercom & 5-Inch AI Access Terminal

- 5-inch AI Smart Access Terminal for Residential & Commercial Video Intercom and Attendance;
- 5,000 face capacity & 5,000 fingerprint capacity & 5,000 palm vein & 5,000 card capacity;
- Multiple verification methods including: face, fingerprint, palm vein, cards and QR codes;
- One-tap remote door release
- Full-duplex high-definition audio and video communication via Smart Life app;
- Real-time video streaming anytime through the app and Tuya cloud storage service for all access event recording and review



Face Recognition

- Face recognition speed less than 0.1s with 99.9% accuracy rate;
- Liveness detection with effective protection against photos, videos and 3D masks;
- Adapts to facial changes and varying light conditions;
- Palm vein recognition as optional choice;
- Supports multi-factor authentication: face, password, fingerprint, QR code, IC/RFID card, palm vein, remote unlock via mobile app.

Technical Specifications

Display & Hardware

Parameter	Specification
Screen Size	5.0-inch IPS LCD
Resolution	480×854 pixels

Parameter	Specification
Touchscreen	Capacitive touch support
Processor	High-performance AI processor
NPU	0.8T independent computing power
OS	Linux system
Storage	8GB eMMC

Camera Specifications

Parameter	Specification
Camera Type	Binocular camera
Resolution	1.0 megapixel
Aperture	F2.2
Focus Distance	50–150cm
Fill Light	LED + infrared dual fill light
Night Vision	Supported

Network & Connectivity

Parameter	Specification
Wired Network	10/100M Ethernet
Wireless Network	Wi-Fi (2.4GHz supported)
Cellular Network	4G module (optional)
Audio Output	2W/8Ω speaker
Audio Input	Built-in microphone
Tuya Cloud	Full ecosystem integration

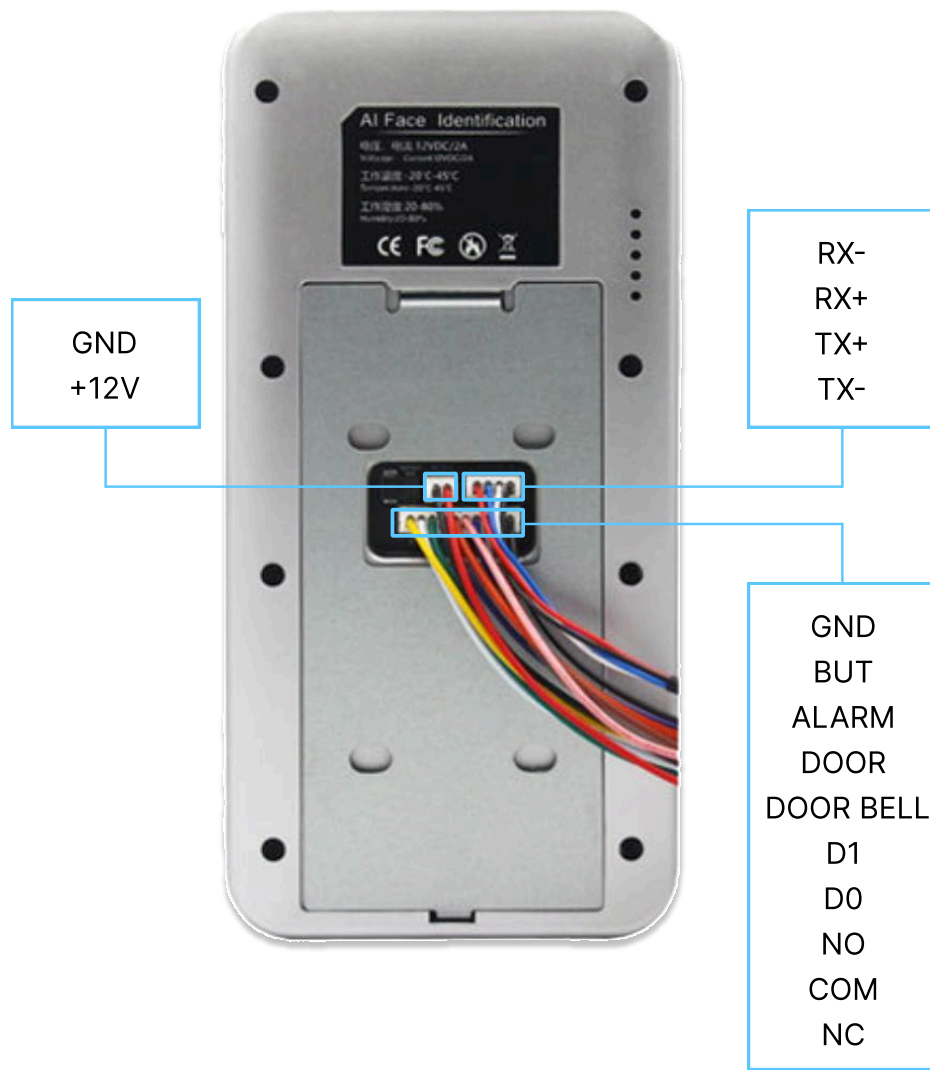
Recognition Performance

Parameter	Specification
Face Capacity	5,000 faces
Attendance Records	100,000 entries
Recognition Distance	0.5–1.5 meters
Recognition Speed	<1 second
Recognition Rate	≥99.99%
Adaptation	Supports glasses, masks, hats, and makeup

Other Specifications

Parameter	Specification
Power supply	DC12V (±10%)
Power consumption	10W (MAX)
Protection Rating	IP54 dust and water resistant
Operating Temperature	–20°C ~ 70°C
Installation	Wall Mounting
Device size	163*86*17mm
Equipment weight	0.8 (kg)

Technical Specifications



Note: Cable and interface definitions (interfaces may vary slightly between production batches)