

WDU505 Pro

Versatile AI Facial Recognition Terminal

WDU505 Pro series is a versatile intelligent terminal that supports rich extensibility an optional QR Code and Fingerprint module, offering the IP65 waterproof protection for an outdoor solution



Access Control



IP 65 Waterproof



Live Detection



Touch Screen



Fingerprint (Optional)



QR Code (Optional)



Introduction

WDU505 Pro series is an AI-based face recognition all-in-one terminal featuring high reliability and high performance, which can be applied to deliver a high-speed recognition rate with unrivaled accuracy.

Powered by the latest WDLINK deep-learning algorithm, the anti-spoofing performance against dynamic environments and diversified spoofing attacks has been greatly enhanced. It has a range of modules available, which can verify the user's identity through not only QR codes but also fingerprints and even hybrid verification modes.

Features

- EM 125KHz & MIFARE 13.56MHz
- 0.3s high-speed facial verification
- Recognition accuracy 99.99% (99.77% recognition rate at 1% FAR; 99.27% recognition rate at 0.1% FAR)
- Register standard 10,000 faces and 3,000 fingerprints (Optional)
- Live detection algorithm against photos, videos, and 3D masks attack
- Industrial design, stable performance, and smooth outline
- IP65 (Outdoor solution)
- Anti-backlight



Specifications

Model Name	WDU505(E53-1701-OS)	WDU505 QR(E53-1701-OS-Q)	WDU505 FP(E53-1701-OS-F)
Capacity			
Faces	10,000		
Cards	10,000		
Logs	Max. 50,000		
Interfaces			
Communication Modes	TCP/IP, WIFI, Bluetooth		
I/O	Relay, Wiegand input/output, RS232, Door sensor, Exit button, USB		
Functions			
Face Recognition	Live detection		
Upgrade Modes	Online, USB		
Supported Software	Standalone, WDLINK Cloud, WDLINK Access		
Hardware			
Memory	512MB RAM + 8GB ROM		
CPU	Dual-core ARM Cortex-A7@900MHz, Linux		
Screen	5-inch TN touch screen		
Cameras	IR, RGB dual-lens camera, Recognition distance (0.3-2m)		
Infrared Fill Light	Supported		
Card Modules	Standard EM & MIFARE Card, NFC		
QR Code Module	N/A	550-byte 3cm*3cm QR Code	N/A
Fingerprint Module	N/A	N/A	3,000 fingerprints
General			
Working Temperature	-10°C~60°C		
Storage Temperature	-20°C~60°C		
Working Humidity	10%~90%		
IP Rate	IP65		
Power Supply	DC 12V/2A		
Power Consumption	Max. 15W		
Dimensions	174mm*84mm*18mm		
Certificates	CE, FCC, RoHS		

