

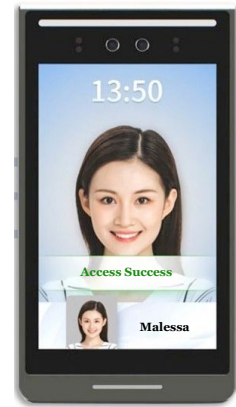


Access Control System

Smart Card Reader

AC-F8901

8"inch Facial Recognition Reader



Key Features:

- ▲ Supports dual-eye detection, capable of tracking and exposing faces in backlight environments
- ▲ Unique facial recognition algorithm for precise face recognition, with recognition time less than 0.3s
- ▲ Built-in domestic CPU, utilizing the LINUX operating system for system stability
- ▲ H.265 video streams can be directly connected to NVR and other devices via the ONVIF protocol
- ▲ Average MTBF (Mean Time Between Failures) exceeds 50,000 hours, supports a face comparison database of 100,000+ and 90,000+ recognition records
- ▲ Rich interface protocols, supporting TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocols on various platforms like Windows/Linux
- ▲ Abundant hardware interfaces (I/O, WG26, WG34, RJ45, USB, door sensor, doorbell, door opening, alarm, RS485)
- ▲ 8-inch IPS full-view high-definition display, with no drag or delay in images
- ▲ Automatic gain and automatic white balance for true and natural color reproduction
- ▲ Supports intelligent exposure and intelligent enhancement settings for faces

Specification:

Model	AC-F8901
Operating Temperature	-20°C - +55°C
Operating Humidity	0-90% relative humidity, non-condensing
Power Consumption	20W(MAX)
Salt Spray Grade	Rp6 or above
ESD	Contact: ±6KV, Air: ±8KV
Power Supply	DC12V/2A
Operating Environment	Indoor or Outdoor
IP code	IP66
Screen Specifications	8-inch HD IPS screen, resolution of 1280*800
Dimensions	242 (length) * 133 (width) * 22 (depth) mm
Processor	Dual-core ARM Cortex-A7 and RISC-V MCU
Operating System	Linux
Storage	1GB RAM + 8GB eMMC
Card Reader Module	13.56MHz, supports Mifare S50, S70 cards, UltraLight cards, NTAG cards, DESFire D21, D41, D81, contactless CPU cards.



Recognition Height	1.2-2.3 meters, adjustable angle
Recognition Distance	0.5-2.5 meters
Face Angle	±30 degrees horizontally, ±30 degrees vertically
Recognition Time	Less than 0.3 seconds
Recognition Record Capacity	80,000
Face Capacity	10,000
Power Input	DC12V/2A
Network Interface	1 x RJ45 10M/100M adaptive Ethernet port, customizable Gigabit Ethernet port
Wiegand Interface	1 x Wiegand output, 1 x Wiegand input
Alarm Interface	1 x fire alarm input
Door Sensor Interface	1 x door sensor input
Door Opening Interface	1 x door opening input
Doorbell Interface	1 x doorbell output
Lock Interface	1 x lock output
Communication Interface	1 x RS485 communication interface / 2.4GHz Wi-Fi SoC chip, integrated IEEE 802.11b/g/n baseband and RF circuit, maximum 72.2Mbit/s physical layer rate
USB Interface	1 x USB interface
Camera	Dual-lens camera, visible light and near-infrared, supports live detection
Imaging Device	1/2.8" Progressive Scan CMOS
Effective Pixels	2.1 million effective pixels, 1920*1080 resolution
Minimum Illumination	Color: 0.01Lux @ F1.2 (ICR); Black and White: 0.001Lux @ F1.2 (ICR)
Signal-to-Noise Ratio	≥50dB (AGC OFF)
Wide Dynamic Range	120dB, ISP algorithm for localized face exposure

Appearance & System Overview

