



# Access Control System

## 4.3'' inch Facial Recognition Reader

AC-F4903

### Key Features:

- ▲ Support binocular live detection
- ▲ Support human moving face tracking and exposure in strong backlight environment
- ▲ Unique face recognition algorithm, accurate face recognition, face recognition time is less than 0.5s
- ▲ Built in domestic CPU
- ▲ Using Linux operating system, the system is stable
- ▲ MTBF > 50000h
- ▲ Up to 20000+face comparison database and 57000 recognition records
- ▲ Operating temperature:- 20 °C -55 °C
- ▲ Indoor ip42 waterproof and dustproof
- ▲ Support anti disassembly alarm
- ▲ Support microphone input audio and speaker output audio
- ▲ Rich hardware interfaces (i/o, WG26, wg34, RJ45, door magnet, doorbell, door opening, alarm RS485)
- ▲ 4.3-inch capacitive multi-point touch screen, without image dragging and delay



### Specification:

Model	AC-F4903
Hardware	
Processor	Dual-Core ARM Cortex-A7, @1.0GHz
Operating system	Linux operating system
Storage	Support TF card storage (optional)
Camera	Binocular , 2.1 million effective pixels, 1920*1080
Sensor	1/2.8 "progressive scan CMOS
Lens	4.5mm
Card Reader Module	Optional , 13.56MHz, ID card serial number Mifare、 NFC
WiFi module	IEEE 802.11b/g/n standard, supports 2.4GHz frequency band, speed range 1mbps-150mbps



Bluetooth module	8DPSK, $\pi/4$ dqpsk, GFSK, Speed range 1mbps-2,3mbps
Touch screen	Support, capacitive multi-point touch screen
Speaker	Standard, and voice playback content can be customized
<b>Performance</b>	
Identification height	1.2~2.2m, angle adjustable
Identification distance	0.3~1.5m
Face angle	30 degrees left and right, and 30 degrees up and down
Recognition time	Less than 0.5 seconds
Storage capacity	57000 capture records
Face capacity	2000
<b>Interface</b>	
Power input	DC12V/2A
Network interface	1 RJ45 10m/100M adaptive Ethernet port
Wiegand interface	1 channel Wigan interface output, 1 channel Wiegand interface input
Alarm interface	1 channel fire alarm input, 1channel alarm output
Door magnetic interface	1 channel door magnetic interface input
Door opening interface	1 channel door opening interface input
Doorbell interface	1 channel doorbell interface output
Door lock interface	1 channel door lock interface output
Communication interface	1 channel RS485 communication interface
<b>Camera</b>	
Camera	Binocular camera, G+P lens, visible light and near infrared, supporting live detection
Effective pixels	2.1 million effective pixels, 1920*1080
Minimum illumination	Color 0.01LUX @f1.2 (ICR); Black and white 0.001lux @f1.2 (ICR)
SNR	$\geq 50$ dB (AGC off)
Screen resolution	480*272
<b>Physical</b>	
Working temperature	-20 °C -+55 °C
Working humidity	0~90% relative humidity, no condensation
Equipment power	10W (max)
Salt spray grade	Above Rp6



Antistatic	Contact $\pm$ 4KV, air $\pm$ 8KV
Power supply	DC12V/2A
Protection	IP42
Screen specification	4.3 inch capacitive multi touch screen
Dimension	160 (length) * 88 (width) * 17 (thickness) mm

## Appearance & System Overview

