IOMO

FCA-3000

Touchless biometric facial recognition
Access control with mask detection and id card scan

Features

- Enhanced Visible Light Facial Recognition

- Better hygiene with touchless identification and face mask detection

- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack and 3D mask attack

- Communication mode: TCP/IP, RS232, RS485, Wiegand in/out

- Build-in ID reader of 125Khz IC card

- Multiple verification: Face / Palm / Card / Password

- Supplement light with adjustable brightness

- empeo certified product

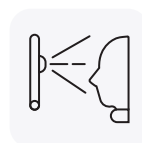- Recognition distance: 0.3 – 2 meters
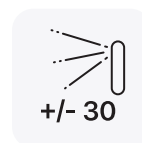
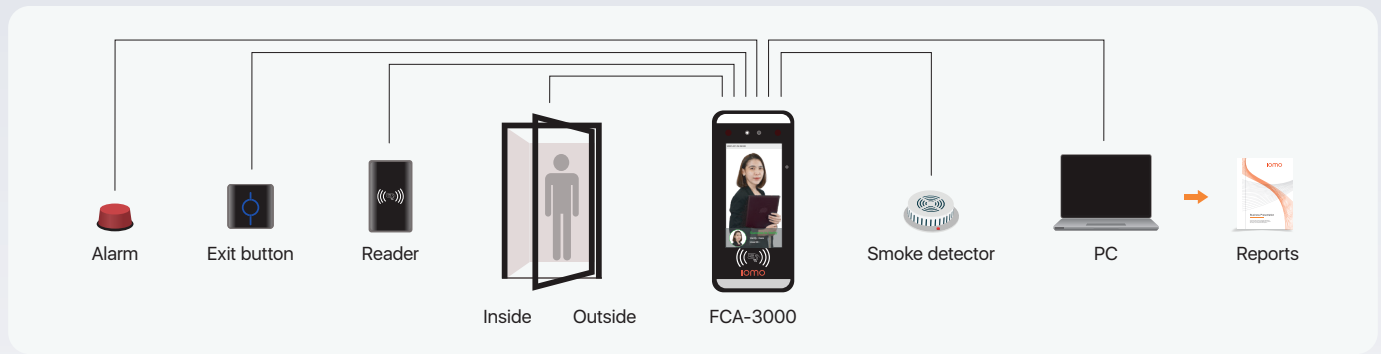| Face Verification | Card Verification | Palm Verification | empeo certified product | Proactive Facial Recognition | Wide Pose Angle Acceptance | Touchless for Better Hygiene |

Working Application

Alarm | Exit button | Reader | Inside | Outside | FCA-3000 | Smoke detector | PC | Reports

Specification

Display	5-inch Touch Screen
Face Capacity	3,000
Palm Capacity	1,500
Card Capacity	3,000 (Proximity Card 125KHz)
Transactions	150,000
Communication	TCP/IP, Wiegand input/output, RS485
Standard Functions	ID Card, ADMS, T9 Input, DST, Camera, 9 digit user ID, Acess Levels, Groups, Holidays, Anti-passback, Record Query, Tamper Switch Alarm, Multiple Verify Modes
Hardware	900 MHz Dual Core CPU, Memory 512 MB Ram / 8G ROM 2MP WDR Low Light Camera, Adjustable Light Brightness LED
Operating System	Linux
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm output, Auxiliary Input
Face Recognition Speed	< 1s
Power Supply	12V/3A
Operating Humidity	Operating Humidity 10%-90%
Operating Temperature	Operating Temperature -10 °C ~ 45 °C
Dimension	202.93*91.93*22.5mm

Structure & Connection

Front
- Flash
- Camera
- Mirophone
- 5 ich touch screen
- Card reading area
- Reset
- Speaker

Back
- Magnetic tamper switch

12V / GND	Power
+12V / GND / INWD0 / INWD1	Wiegand in
WD0 / WD1	Wiegand out

RXD2 / TXD2 / GND	RS232
RXD / TXD / GND	RS232
485A / 485B	RS485

| TX+ / TX- / RX+ / RX- | Ethenet |

AUX / GND	Auxiliary input
SEN / GND	Sensor
BUT	Exit Button
NO1 / COM / NC1	Lock
AL+ / AL-	Alarm