

FE-500S

FACE CONTROLLER



Omron Thermal Sensor



Face + Temperature value + Mask detection



Speed < 1s (50K 1:N mode)



Multi face verification (up to 5 people)

FE-500S Specification

CPU	2 core CPU
Memory	4GB RAM, 8G Flash
LCD	5 inch IPS Touch screen
Camera	2MP dual-lens
No. of user Registration	50K user capacitor / 1,000K Event log
OS	Linux
Function	Face + Temperature + Mask detection
Power	12V/2A(Max.24W)
Detection	Single/Multi (Up to 5 person)
Range	Max 3M. For temperature 50cm
Live detection	Picture, Video, Mask can be detected
QR code	YES
Communication	TCP/ WIFI(Optional)
Speed	<1s(1:N, 50k)
RF card	MIFARE
Temperature	-10 - 50°C
Humidity	10% - 90%
Size	192mmx92mmx30mm

Thermal Sensor Specification

Type	Thermal sensor
Frame Rate	12fps
Temperature Accuracy	±0.3°C
Temperature Distance	0.2M-0.6M
FOV(H*V)	33x33
Control	I2C
Scan range temperature	10°C - 60°C
Focal length	5mm
Humidity	10% - 90%
Power	DC5V

99.77%

Recognition Rate

99.77% recognition rate at 1% FAR
99.27% recognition rate at 0.1% FAR

2-3M

Recognition Distance

Long range detection

1 sec

Less than 1sec

(for 50K user for 1:N authentication)

Live

Photo detection
Video detection
Face + Mask detection

Multi

Possible to authenticate 3-5 people simultaneously within 1sec

AI

Through AI technology that enables continuous learning, the recognition rate is increased by reflecting recent changes in the user's face.

Sensor

Temperature Measurement

Face + Temperature + Mask detection