

The Tidel IES 50 is an all in one, intelligent entry control device designed to support the decision of whether or not to allow personnel to enter a facility. Powered by a high-performance AI processor, the IES 50 is able to quickly process facial recognition and also approximate the surface temperatures of objects and personnel.¹ The IES 50 can also rapidly detect a facial profile, even when that person is wearing a mask. Its compact footprint, accuracy, speed, and simple deployment make it an ideal access control solution for a wide variety of environments.

The IES 50 can also be easily integrated into your door access control systems. The IES 50 offers a built in relay contact, door and alarm inputs, Wiegand interface, and an RFID card reader.

AVAILABLE MOUNTING OPTIONS

Wall Mount



Desktop Stand



Floor Stand



FEATURES

- Temperature accuracy +/- 0.9 °F
- Facial recognition while wearing a mask
- Certifications: ETL and FCC
- Temperature scan time ~1 second
- One year parts warranty
- Facial recognition time <300 ms with 50,000 people and <400 ms with 100,000 people registered
- Enterprise-level deployment capability
- WiFi or RJ45 network connection
- Mask detection
- Liveness detection

IES 50

Intelligent Entry Scanner

Specifications

CAMERA	
Resolution	2 million pixels
CMOS	1/2.7 inch CMOS sensor
Lens	2.88mm fixed focus HD
White Balance	Manual or auto
Photo Flood Light	LED and IR Flood Lighting

PROCESSOR	
CPU	ARM Cortex A9@Max. 800MHz 256KB L2 Cache
Storage	RAM: 2GB, FLASH: 16GB
OS	Embedded Linux

SCREEN	
Size	8 inch IPS display
Resolution	1280 x 800

FUNCTION	
Card Reader	Internal RFID card reader
Face Library	Up to 50,000 or 100,000
Identification Distance	1.7 ft. to 6.5 ft.
Mask Detection	YES
Facial recognition with a mask	YES
Interface	IES 50 application
Deployment Method	Stand-alone or networked

CERTIFICATIONS	
USA Certifications	ETL and FCC

IES 50

Intelligent Entry Scanner

Specifications

INTERFACE	
Networking	Ethernet or Wireless (WIFI)
Serial Communication	RS 485
Relay Output	NO - NC - GND
Alarm Input	IN1 - IN2 - IN3
Wiegand	In or Out - Wiegand 26/34/37
Wired Network	RJ45 Ethernet

INFRARED THERMAL IMAGING MODULE	
Temperature Detection	200M pixels
Temperature Detection Distance	1.7 ft to 3.2 ft.
Temperature Measurement Accuracy	+/- 0.9° F
Temperature Measurement Range	68° F - 122° F
Abnormal Temperature	Setting Configurable
Abnormal Temperature Alarm	Visual and Audio

ENVIRONMENT & POWER	
Power	100 VAC to 12 VDC
Working Temperature	-4° F to 140° F
Working Humidity	10 - 90% RH (no condensation)

WARRANTY	
Factory Warranty	1 year parts
Extended Warranty	2-3 years available
Warranty Type	Advanced exchange

¹The IES 50 is able to approximate the surface temperature of subjects for the purpose of assisting in the controlling of access to a facility. If a temperature is identified that appears to be outside a specified range, additional inquiry will be needed to determine the cause. That inquiry may or may not include seeking medical attention from a health care provider. The IES 50 is not a medical device and has not been evaluated by the Food and Drug Administration. The IES 50 is not intended for use in the diagnosis of disease or other conditions or in the cure, mitigation, treatment, or prevention of disease.