AMERICAN SECURITY

TURING

Body Temperature Thermal Scanner
TVTS-OP-BTTS7

Key Features

- Sub-degree accuracy
- Non-contact functionality
- Suitable for adjunct use in public areas
- Temperature acquisition in under a second

Technology

- A fully integrated solution, Turing's Body Temperature Scanner (BTS) is the first line of defense against coronavirus for public facilities. The Turing BTS combines artificial intelligence and thermal imaging technologies, and determines the body temperature of a passing individual within 0.1 seconds and to an accuracy of ±0.5°F. It is typically used as an adjunct device to provide health pre-screening, access control, and visitor tracking.
- The Turing BTS is equipped to send alerts in multiple forms， and can be integrated as a component in an existing personnel processing station.

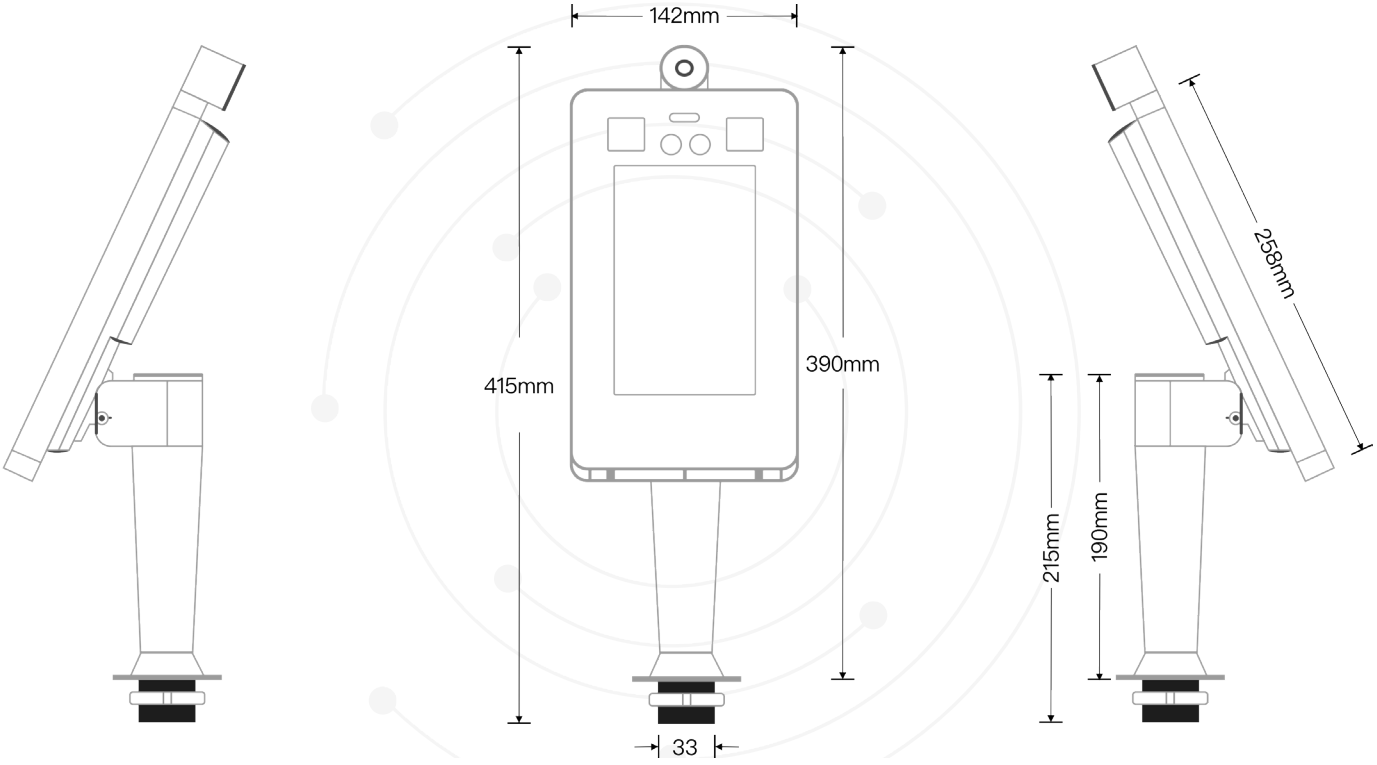
Typical Use Cases

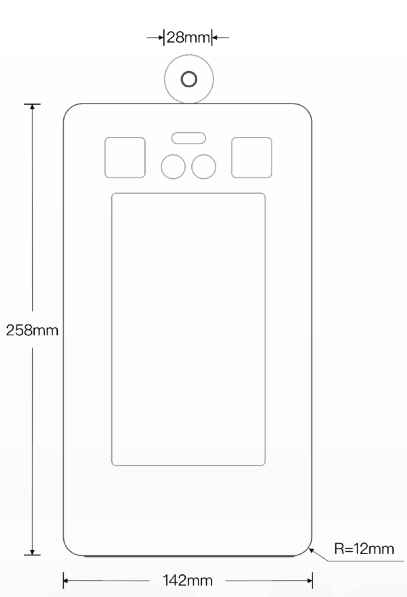
Any entrance or exit at:

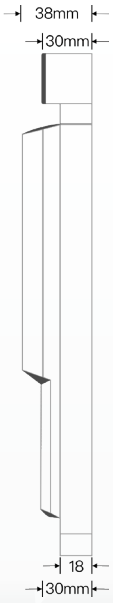
- Airports
- Bus stations
- Mass transit
- Casinos and gaming facilities
- Hospitals
- Retail stores
- Corporate offices

www.americansecurityllc.com/security-programs/body-temperature-thermal-scanning/

System Diagram







scanner

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Specification

Model	TVTS-OP-BTTS7
Camera and Video	
Cameras	Dual Sony 6mm lens
Lens aperture	1/2.8
Minimum lighting	0.01 Lux @(F1.2, AGC on)
Display	7-inch HD LCD screen
Image enhancing	Adaptive light compensation, digital noise reduction
Video coding	H.264
Data rate	1~4 Mbps
Resolution	1920x1080 (H x V)
Frame rate	25 fps
Video settings	Exposure, gain, contrast, saturation
Power and Battery	
Power supply	DC 12V 2A
Power consumption	< = 8W
Operating temperature	-22-158 °F
Operating humidity	20%~ 90%
Protections	Protection for short circuit, over charging, high temperature

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Specification

Model	TVTS-OP-BTTS7
Recognition and Detection	
Range of detection	50-104°F
Temperature accuracy	±0.5°F
Alert	Voice alert, text messages
Detection time	<= 100 ms
Measuring distance	1.5 feet (18") recommended
Detection triggering	Temperature reading is taken when a face is detected
Expandability	
SDK support	Linux / Windows
Internal storage	8GB, extendable to 64GB
Protocols supporte	ONVIF, TCP/IP, HTTP, FTP, DNS, NTP