

COVID-19 Access Control and Fever Screening Solutions

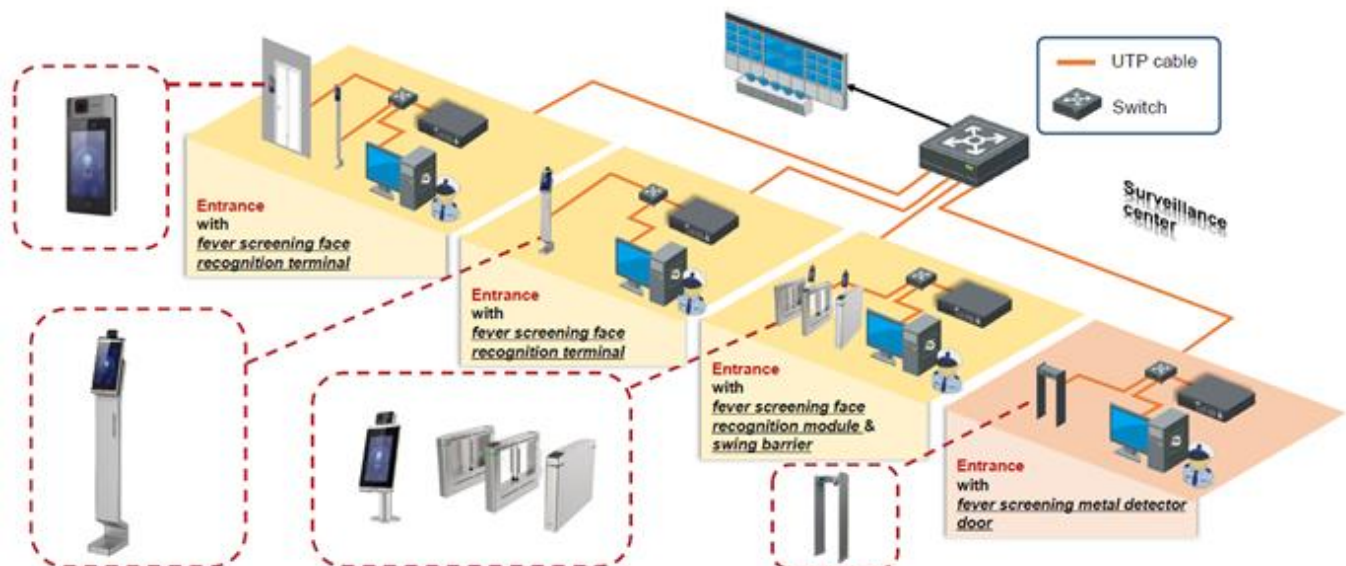
According to medical observations, one of the main symptoms of many infectious diseases is abnormal body temperature. Therefore, in order to effectively control the spread of the virus, fever screening is very important in the work place. To increase efficiency, AST Technologies has a solution for your needs.

AST Technologies has a Master License which is registered with NSW Police and issued under the Security Industry Act 1997. The license means that we must follow strict guidelines and processes when providing our solutions and installing our systems. This ultimately protects end-users when using their Security Systems and referring to them for legal and insurance purposes.


Using installers who do not hold a Master Security License, may affect your ability to use footage for legal purposes if needed.

Our inhouse technicians are trained and certified as ACMA Master Cablers with endorsements to install security cabling.


Topology




Face Recognition & Fever Screening Solution





Face Terminal with floor stand bracket





Face Terminal





Swing barrier gate with face recognition module

- 50,000 faces capacity
- Recognition duration < 0.2s / user
- Temperature range: 30~45°C;
- Temperature accuracy: ±0.5°C
- Measurement distance : 0.3m –2m
- Support mask detection and sound alarm

	Floor Standing Unit	Wall Mounted Unit	Barriers Mouning Unit
			
LCD screen	10.1 inch	7 inch	7 inch
Face capacity	50,000	50,000	50,000
Thermal imaging resolution	120 x 160	120 x 160	120 x 160
Card capacity	N/A	50,000 M1 cards	N/A
Temperature range and accuracy	30-45°C (±0.5 °C)	30-45°C (±0.5 °C)	30-45°C (±0.5 °C)
Authentication Distance	0.3-2m	0.3-2m	0.3-2m
Mask detection	Support	Support	Support
Fast temperature measurement	Support	Support	Support
Deployment	floor standing	Wall mounting/ floor standing with mounting pole	Face recognition module for barriers

Application Scenarios

- Entrance to Australian Mining
- Entrance to Workshops
- Entrance to Hospitals
- Entrance to Office or educational Buildings
- Entrance to shops or Supermarkets
- Entrance to airports
- Elevator Banks
- Entrance to Hotels Motels and Accommodation

Comparison Between Thermal Imaging & Thermopile Technology

Type	Thermopile	Thermal imaging	Comments
Resolution	32X32	120X160	
Measurement distance	0.3m~0.5m	0.3m~2m(depends on focus of device)	Thermopile: • Limited measurement scale, • Low accuracy and efficiency of fever screen.
Measurement scale	Small, fixed area of the screen	Large scale, any area within the screen	
Efficiency	5 s/person	1 s/person	Thermal imaging : ★ • Bigger measurement scale, • AI algorithm for face detection, • High accuracy and efficiency of fever screen.
Measurement accuracy	Detecting only the highest temperature in the fixed area.	Face detection tracking, guaranteed that the measurement is the temperature of the person's forehead.,	

Thermal & Optical Bi-Spec Hand Held Camera, 160×120, +/-0.5 deg C

The new thermographic body temperature handheld camera is finally here. With advanced detectors and algorithms, this fever screening thermographic camera is designed to detect elevated skin-surface temperatures, and can thus be used for rapid and preliminary fever screening in office buildings, factories, stations, airports and other public places, with accuracy of up to 0.5 degrees Celsius. This range is suitable for a variety of different environments such as customs, airports, schools, hospitals and any areas that require inspection and quarantine.

- ✓ 160 × 120 Resolution (Thermal), and 8 MP Resolution (Optical)
- ✓ Thermographic Accuracy up to $\pm 0.9^{\circ}$ F ($\pm 0.5^{\circ}$ C)
- ✓ Display Fusion of Thermal View and Optical View
- ✓ 640 × 480 Resolution 3.5" LCD Touch Display
- ✓ Supports Live View on PC, Mobile Device, or External Monitor
- ✓ Supports Audio Intercom
- ✓ Supports Colour Highlight Alarm and Audio Alarm



Dimensions

