Tclass Series

Project Thermal IP Camera

Unique Thermal Imaging Technology

Product Description

UNIQUE THERMAL IMAGING DETECTION TECHNOLOGY ENHANCES THE SECURITY MECHANISM

The latest thermal imaging sensors are used, which are divided into twin dual-lens and single-lens models. The built-in AI algorithm and unique invisible light technology of the camera are widely used in fields with high safety, such as industrial factories, rail transit, national borders, forests, ports, military areas, etc. During the pandemic, it can be used for human body detection and environmental detection, which is an indispensable and best weapon for epidemic prevention.

Key Features

Unique thermal imaging detection technology

The latest uncooled-microbolometer thermal sensor technology is adopted, which can sense accurately and display the distribution state or numeric of the surface temperature of an object and will not be affected by poor light, rain, fog and other harsh environmental conditions.

Dual-lens and single-lens

Thermal IP cameras have special appearance which embedded with dual-lens and single-lens. The dual-lens model can display visible images and thermal images at the same time.

Intelligent Video Analysis Functions

With the built-in AI algorithm, the thermal IP cameras can be used for a variety of detection functions.

Weather-proof IP66

The camera meets the IP66 rain and dust resistant and can be installed and used in different environments.

Thermal AI applications

Human Detection

- Face Detection
- Multi-Person Body Temperature Detection
- Mask Detection
- Patient Fall Motion Detection

Environmental Detection

- Industrial Temperature Monitoring
- Fire Detection
- Crossline Detection
- Intrusion Detection

Specifications

Dual Lens

Dome IP Camera

Dual Lens

Dome IP Camera

Model No.		T9078-BE	T9079-BE	T9078	T9079
Thermal Module	Sensor	Uncooled microbolometer		Uncooled microbolometer	
	Maximum Resolution	80x60	160x120	80x60	160x120
	NETD	<50 mK		<50 mK	
Optical Module	Sensor	1/2.8" CMOS		1/2.8" CMOS	
	Lens	4 mm		4 mm	
	Field Of View (FOV)	79°		79°	
	Maximum Resolution	1920x1080		1920x1080	
Video Compression		H.265 / H.264 / MJPEG		H.265 / H.264 / MJPEG	
Video Frame Rate (Max.)		Main : Thermal-80x60@8.3fps Optical-1080P@30fps Sub : Thermal-80x60@8.3fps Optical-720P@15fps Mobile : 1080P MJPEG@30fps	Main : Thermal-160x120@8.3fps Optical-1080P@30fps Sub : Thermal-160x120@8.3fps Optical-720P@15fps Mobile : 1080P MJPEG@30fps	Main : Thermal-80x60@8.3fps Optical-1080P@30fps Sub : Thermal-80x60@8.3fps Optical-720P@15fps Mobile : 1080P MJPEG@30fps	Main : Thermal-160x120@8.3fps Optical-1080P@30fps Sub : Thermal-160x120@8.3fps Optical-720P@15fps Mobile : 1080P MJPEG@30fps
Audio Compression & Capability		G.711, G.726 ; Built in MIC only		G.711, G.726 ; Built in MIC only	
Measurement Range		High Gain : -10 ~ +140°C (14°F ~ 284°F)		Low Gain : -10 ~ +350°C (14°F ~ 662°F) High Gain : -10 ~ +140°C (14°F~ 284°F)	Low Gain : -10 ~ +300°C (14°F ~ 572°F) High Gain : -10 ~ +140°C (14°F ~ 284°F)
Measurement Accuracy		Below 100°C: ±5°C accuracy ; Below 212°F: ±9°F accuracy Below 150°C: ±8°C accuracy ; Below 302°F: ±14.4°F accuracy Above 150°C : ±20% accuracy ; Above 302°F : ±20% accuracy		Below 100°C: ±5°C accuracy ; Below 212°F: ±9°F accuracy Below 150°C: ±8°C accuracy ; Below 302°F: ±14.4°F accuracy Above 150°C : ±20% accuracy ; Above 302°F : ±20% accuracy	
Thermographic Range		30℃~45℃ (86°F~113°F)		30℃~45℃ (86°F~113°F)	
Thermographic Accuracy		± 0.5 °C (±0.9°F) , Configure Black Body Accuracy± 0.3 °C (± 0.54°F)		± 0.5 °C (±0.9°F) , Configure Black Body Accuracy ± 0.3 °C (± 0.54°F)	
Detection Distance Conditions		1~3M (with Black Body)		1~3M (with Black Body)	
Power Input		DC12V±10% / PoE (IEEE 802.3af)		DC12V ±10% / PoE (IEEE 802.3af)	
Operating Temperature		20°C~ 40°C (68°F ~ 104°F)		20°C~ 40°C (68°F ~ 104°F)	
Dimensions/Weight		111(Ø) x 96.7(H)mm / 600g		111(Ø) x 96.7(H)mm / 600g	

Dual Lens

Bullet IP Camera

Single Lens

Bullet IP Camera

Model No.		T6078	T6079	T6051	T6061
Thermal Module	Sensor	Uncooled microbolometer		Uncooled microbolometer	
	Maximum Resolution	80x60	160x120	384x288	640x480
	NETD	<50 mK		<60 mK	<50 mK
Optical Module	Sensor	1/2.8" CMOS		-	
	Lens	4 mm		-	
	Field Of View (FOV)	79°		-	
	Maximum Resolution	1920x1080		-	
Video Compression		H.265 / H.264 / MJPEG		H.265/H.264/MJPEG	
Video Frame Rate (Max.)		Main :Thermal: 80X60@8.3fps;Optical: 1080P@30fps Sub : Thermal: 80X60@8.3fps;Optical: 720P @15fps Mobile : MJPEG1080P@30fps		Main : 384x288@30fps H.265;H.264 Sub : 384x288@30fps H.265;H.264 Mobile : MJPEG : 384x288@10fps	Main : 640x480@30fps H.265;H.264 Sub : 640x480@30fps H.265;H.264 Mobile : MJPEG : 640x480@10fps
Audio Compression & Capability		G.711, G.726 ; Line In / Line Out (optional)		AMR, G.711, G.726 ; Line In / Line Out	
Measurement Range		High Gain : -10 ~ +140°C (14°F ~ 284°F)		-	
Measurement Accuracy		Below 100°C: ±5°C accuracy ; Below 212°F: ±9°F accuracy Below 150°C: ±8°C accuracy ; Below 302°F: ±14.4°F accuracy Above 150°C : ±20% accuracy ; Above 302°F : ±20% accuracy		-	
Thermographic Range		30℃~45℃ (86°F~113°F)		-	
Thermographic Accuracy		± 0.5 °C (±0.9°F) , Configure Black Body Accuracy± 0.3 °C (± 0.54°F)		-	
Detection Distance Conditions		1~3M (with Black Body)		-	
Power Input		DC12V±10% / PoE (IEEE 802.3af)		DC12V±10% / PoE (IEEE 802.3af)	
Operating Temperature		20°C~ 40°C (68°F ~ 104°F)		0°C~ 40°C (32°F ~ 104°F)	
Dimensions/Weight		71(Ø) x 150(L)mm / 830g		87.4(Ø) x 242.12(L)mm / 830g	

Optional

Simple Black Body

Model No.: BB-3S-5V

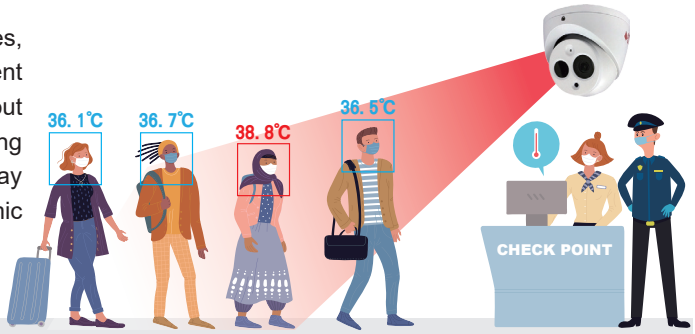
Temperature Accuracy	± 0.3°C@RT25°C	Storage Temperature	-20°C ~ 60°C
Power Input / Consumption	DC 5V ; < 8W	Average Temperature Area	40 x 40mm
Operating Temperature	0°C ~ 35°C @ humidity 65% ± 20%RH	Opening Size	50 x 50mm
Factory Temperature Setting	37.5°C (The temperature is stable at 37.5°C within 5 minutes after starting@RT25°C)	Accessories	1 AC110V to DC5V transformer (cable length 3m, weight 172g)

Thermal IP Cameras & System Application /

3S Thermal Multi-body Temperature & Mask Detection System

THE BEST CHOICE FOR SAFE AND EPIDEMIC PREVENTION.

The product can be equipped with black body accessories, which perform high-precision body temperature measurement of ± 0.3°C. It can measure body temperature instantly without queuing. When the specified temperature is over, a warning sound will be alarmed out immediately. Isolate those who may be infected to effectively prevent the spread of the epidemic and ensure the safety of personnel.



Made In Taiwan

Adhere to Taiwan manufacturing, products have passed international certifications, quality and safety are guaranteed!

Patent Certification

Won new patent from the Taiwan National Intellectual Property Office of the Ministry of Economic Affairs.

Original Manufacturing Technology

Combining the industry's latest thermal IP technology and AI intelligent analysis, detection is not missed!

Easy to Install

The system is easy to install, easy to use, with black body detection, accurate temperature measurement and efficient.

Immediate Notification

When you have a fever or do not wear a mask, the warning will be alarm out immediately.

Smart AI Detection

3S dual-sensor thermal IP camera combined with fast and advanced AI recognition technology can instantly measure temperature at a distance of up to 3 meters.

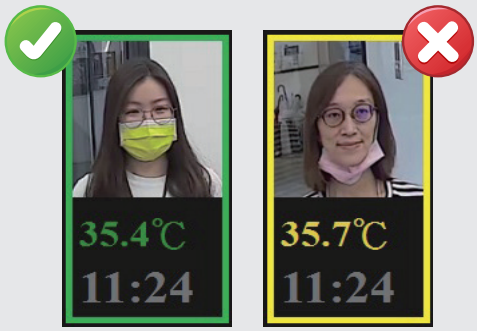
- 0.1sec. — Efficient & Rapid Detection
- Non-contact Temperature Measurement
- ±0.3℃ — Accurate Temperature Measurement
- Real-time Trigger Alarm
- 10 People Detection in the Same Frame
- QR Code — Support SMS Contact Tracing System

Won New Patent Certification from Intellectual Property Office

New Patent Certification

3S Thermal Multi-body Temperature and Mask Detection Cameras

3S Thermal Multi-body Temperature and Mask Detection System



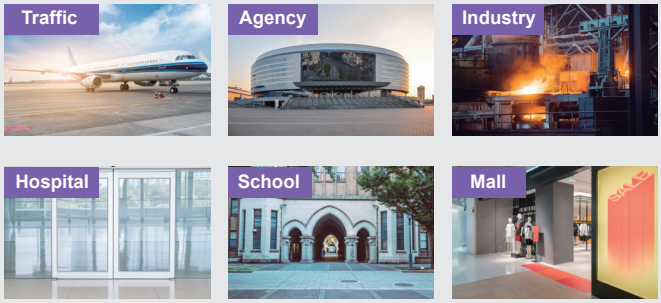
Please wear a mask !

AI smart mask detection, it's safe when entering and leaving !

Through the AI intelligent algorithm, it can be detected in real time whether the entering and exiting personnel are wearing masks or not. The system can directly detect the face, and can immediately obtain the personnel detection information on the monitor, which effectively assists the administrator to check it.

Support "SMS contact Tracing System" it is time-saving and convenient !

According to government rule, all visitors are required to do registration while entering store. 3S Thermal Body Temperature & Mask Detection System not only detect the body temperature and mask, but also show QR code on the monitor for scanning. It is convenient to complete the registration process.



It can be used in various fields, and it can be used flexibly according to different needs.

The thermal IP camera can measure the temperature of the crowd in batches, and does not need to measure the temperature of the forehead one by one, which greatly improves the circulation ability of the detected crowd. It can be applied to all major places, such as airports, hospitals, railway stations, passenger stations, MRT stations, ports and docks, office and other crowded places.

Best Choice
Perfect Quality

Simple Equipment, Easy to Setup, Installation Quickly !

3S Thermal Multi-Body Temperature & Mask Detection System adopts a one-stop detection device, the equipment is simple and fast to install; it is easy to use because of friendly interface; real-time detection information on the monitor and satisfied with users' experience.

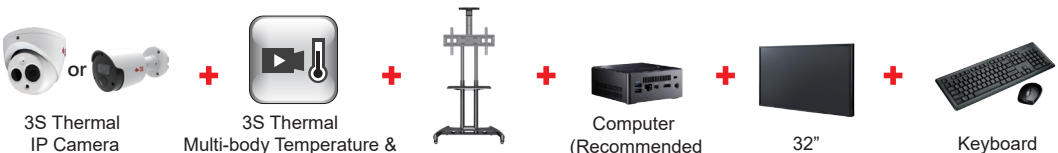
A SET

3S Thermal IP Camera + 3S Thermal Multi-body Temperature & Mask Detection Software

B SET

3S Thermal IP Camera + 3S Thermal Multi-body Temperature & Mask Detection Software + Tripod

C SET



3S Thermal IP Camera + 3S Thermal Multi-body Temperature & Mask Detection Software + Tripod + Computer (Recommended to use i5 or above) + 32" LED Monitor + Keyboard & Mouse

D OPTIONAL

Simple Black Body

Thermal IP Cameras & System Appliction /

3S Industrial Temperature Thermal Detection System

SAFE ENVIRONMENTAL MONITORING, SAVE TROUBLE AND WORRY FOR YOU.

For factory automation, sensitive homeland border area, railway border area, high-security prison border, wide national park areas, the unique features of thermal imaging can be used for border control and day and night security monitoring !

Rail Transits

Industry

Forest

Large Field

Night Environment

Wide Range Area

Made In Taiwan
Adhere to Taiwan manufacturing, products have passed international certifications, quality and safety are guaranteed!

Patent Certification
Won new patent from the Taiwan National Intellectual Property Office of the Ministry of Economic Affairs.

Smart Control
AI intelligent analysis assists detection, reduces manpower quantity, and improves safety management.

Real-time Monitoring
Remote video and dashboard monitoring, keep tracking the movement of the environment inside and outside.

Alarm
Detect abnormal conditions, immediately trigger an alarm and notify the control center.

Smart AI Detection

3S dual-sensor thermal IP camera combined with advanced AI recognition technology is the first choice for strengthening the security system.

- Good Environment Detection
- Accurate Detection of Heat Source
- AI Smart Image Analysis
- Easy Management
- Real-time Alarm Notice
- Quick Search & Video Playback

New Patent Certification

Won new patent from the Taiwan National Intellectual Property Office of the Ministry of Economic Affairs.

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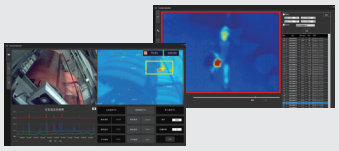
With 3S software to double the effectiveness of monitoring and management.



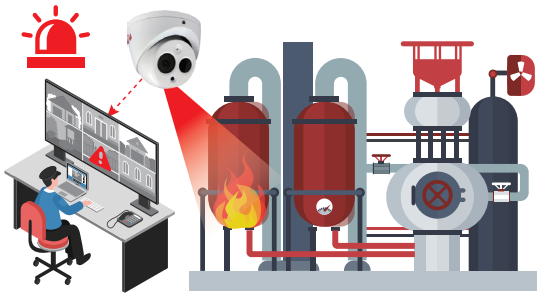
3S team has full practical experience, which definitely exceeds your expectations

Provide a Safe and Efficient Environmental Monitoring Solution !

Industrial Temperature Monitoring

Improve the safety level of the factory and create a safe working environment.

Thermal IP cameras can monitor the working temperature status of production equipment, detect unknown heat sources with real-time video images, trigger alarms and notice the administrators and reduce accidents.



Fire Detection

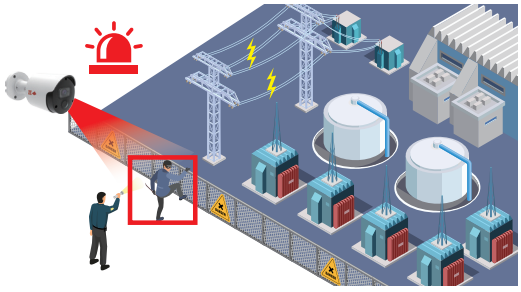
Superior fire detection feature, providing early warning notice.

Fires are often caused by unknown hidden high temperature. Thermal IP camera can quickly find the hidden fires and location. The fire point can be detected quickly to send an alarm to the administrator, saving the time and reducing lives and property loss.

Perimeter Cross-line Detection

Smart Cross-line detection function reduces the pressure of human monitoring.

For large areas, night or foggy, rainy, harsh environments, and difficult to configure monitoring equipment zones, thermal IP camera is used to analyze the cross-line detection function to detect whether there are people or car crossing the line. The alarm will be triggered immediately to avoid major losses and regrets.



Intrusion Detection

Sensitive intelligent detection and monitoring, abnormal status can be notified in real time.

Thermal IP camera can provide area intrusion detection function. When an object is detected within the area, it can immediately trigger an alarm notification, perform the fastest processing and avoid serious accidents.

Simple Equipment, Easy to Setup, Installation Quickly !