

Thermal Imager “Pro-Jemys-2020”

Offer

For the supply of the Joint Stock Company YSAR+ Thermal Imager Mobile Complex «Pro-Jemys-2020». Thermal imaging system with the function of identifying persons with elevated body temperature.

Product Overview

Thermal Imager Mobile Complex «Pro-Jemys-2020» is an innovation solution to identify people who have a fever. These devices quickly scan all the people who passed by for elevated temperature and make a report when a person with fever is detected. These devices are mostly used in airports, metro, medical and educational institutions, Railways, shopping and entertainment complexes, military facilities, etc., to scan the population to prevent outbreaks such as SARS, Bird Flu, Ebola and other recent outbreak such as Coronavirus also known as the Wuhan virus.

Thermal Fever Detection Camera

Thermal Fever Detection Camera equipped with an integrated GPU that supports a smart behavioral analysis algorithm, can perform high-precision VCA detection and real-time warning. Not only it is a fever detection, it also applied to indoor fire prevention purposes, such as engine room, ATM, conference room, factory, museum, train station, gem, power station, etc. The pre-alarm system helps you quickly discover unwanted accidents and protect your assets.

Functions :

- Image processing technology;
- Temperature exception alarm function;
- Bi-spectrum image fusion, picture in picture preview;
- Strobe light and audio alarm;
- High sensitivity sensor;
- 3D DNR, 15 palettes of color adjustable, image detail enhancement and contrast adjustment;
- Mirror image, digital zoom.



Optical Module	
Max. Image Resolution	2688 x 1520
Image Sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color: 0.0089 Lux @ (F1.6, AGC ON), B/W: 0.0018 Lux @ (F1.6, AGC ON)
Shutter Speed	1s to 1/100,000s
Lens (Focal Length)	4mm
Field of View	84° x 44.8° (H x V)
WDR	120 dB
Day & Night	IR cut filter with auto switch
Image Function	
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image
Smart Function	
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line)
Temperature Range	-30 C + 50 C
Temperature Accuracy	± up to 0.3°C
Fire detection	Dynamic fire point detection, up to 10 fire points detectable
Infrared	
IR Distance	Up to 15m
IR Intensity and Angle	Automatically adjusted
Network	
Main Stream	Visible Light: 50Hz: 25fps (2688 x 1520), 25fps (1920 x 1080), 25fps (1280 x 720) Visible Light: 60Hz: 30fps (2688 x 1520), 30fps (1920 x 1080), 30fps (1280 x 720) Thermal: 1280 x 720, 704 x 576, 640 x 480, 352 x 288, 320 x 240
Sub-Stream	Visible Light: 50Hz: 25fps (704 x 576), 25fps (352 x 288), 25fps (176 x 144) Visible Light: 60Hz: 30fps (704 x 480), 30fps (352 x 240), 30fps (176 x 120) Thermal: 704 x 576, 352 x 288, 320 x 240
Video Compression	H.265/H.264/MJPEG
Audio Compression	G.711u/G.711a/6.722.1/MP2L2/6.726/PCM
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
Simultaneous Live View	Up to 20
User/Host Level	Up to 32 users, 3 levels: Administrator, Operator, User
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering

How it works?

The system is integrated with IMP (Intelligent Management Platform) which automatically sends a report when the device is triggered and alert designated personnel. The system also has the ability to enter and print out a QR code of a person's details who is detected with fever for easy identification and organization.

The camera will monitor and scan all the people who will pass by and it will detect people with fever. When someone with fever is detected, the alarm will go off to call for attention. An incident report will be generated. Email and SMS will be sent to notify designated personnel.

Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	160 x 120 (the resolution of output image is 320 x 240)
Pixel Interval	17 μ m
Response Waveband	8 μ m to 14 μ m
NETD	Less than 40 mK (25°C), F# = 1.1
Lens (Focal Length)	3.1 mm
I FOV	5.48 mrad
Field of View	50° x 37.2" (H x V)
Min. Focusing Distance	0.2m
Aperture	F1.1

Cost:

- The cost of one Mobile Complex Thermal Imager "Pro_Jemys.2020" is 14,500 American dollars.
- If the customer wants to buy more quantity of Thermal Imagers "Pro.Jemys.2020" at once, then maybe will be made a discount .

Conditions:

- a complete set within 15 calendar days from the moment of receipt of funds to the settlement account of YSAR +.
- Logistics will be calculated separately depending on the number of Thermal Imager .
- Terms of payment - 50 % prepayment and another 50% after arriving goods to customer.
- Warranty is 12 months.