IR-CAM-160-P4

IR-CAM-160-P4, Infrared Body Surface Temperature Rapid Screening Camera

IR-CAM-160-P4 is a non-contact human temperature measurement system specially designed for human body inspection and quarantine places. The system uses infrared thermal imaging and high-definition visible light overlay technology, with functions such as online temp. measurement, temperature alarm, face recognition and so on, it can be widely used in airports, stations, subways, hospitals, schools, shopping malls, enterprises and institutions and other densely populated places, it can quickly screen fever patients in large-scale mobile populations, help security personnel and medical staff to improve the efficiency of epidemic detection, and build the first line of defense for epidemic prevention and control.

Features:
● 384 x 288 Uncooled detector ● Visible & infrared image fusion and overlay ● Motorized lens, auto focus ● Measurement accuracy ≤0.5°C ● Sound and light alarm, 40 seconds voice recording ● Palm design, weighing only 400g ● 3.2'' Rotatable display for viewing at different angles ● Multiple temperature measurement modes: high and low temperature auto tracking, line temperature measurement, isothermal analysis.

Applications:

Model	IR-CAM-160-P4
Detector Data	
Type	Uncooled FPA
IR resolution	384x288
Pixel pitch	17μm
Spectral range	7.5–14μm
NETD/Sesitivity	80mK
Lens	
FOV/ Min. imaging distance	40x30/30cm
IFOV	1.88mrad
Focus	Auto/Motor
Image Performance	
Image enhancement	IVE image enhancement algorithm
Frequency	25Hz
Digital zoom	2X,4X
Color pallettes	10 palettes (including iron, rainbow, white & balack hot...)
Measurement	
Temperature range	–30°C ~ +45°C
Temp. accuracy	±0.5°C
Highest Temperature tracking	Display the location & value of highest temperature point
Measurement correction	Auto
Emissivity correction	Ajastable from 0.01 – 1.0 or selected from list of materials
Background tmperature correction	Auto
Atmospheric transmissivity correction	Auto
Filter or window taransmittance	Auto
Setting function	Date/Time: Temp. units, Language
Date Storage	
Temperature data	Customized MTG, use IRX to analyze
Temperature data flow	Customized MGS, use IRX to playback, freezable, loop, image processed when plaing
Image format	JPG format
Video format	AVI format, H.264 compression
SD card	32G high speed TG card
Storage control	Serial port command, level trigger
Report	Word formate, castomized format function
Interfaces	
Internet interface	100M Ethernet, RJ 45, Temp. data transmoission
Power interface	Yes
Video output	SMA
Control port	RS232, RS485
Alarm I/O	Yes
API	Support SDK (Win & Linux) ONVIF
Power System	
DC Supply	DC: 12V
Power consumption	<6W
Enviroment Parameters	
Operation Temperature Range	–20°C ~ +50°C
Storage Temperature Range	–40°C ~ +70°C
Humidity	≤95% (non–condense)
EMC	CE/FCC
Vibration	2G (IEC 60068–2–6)
Shock	25G (IEC 60068–2–29)
Physical Data	
Size (LxWxH)	136x65x67
Weight	≤500g
Installation interface	UNC 1/4'' –20 standard interface M3 threaded joint
Packing	
Stabndard	Thermal imaging camera, integrated cable, warranty card, certificate, transport case
ISO9001/CE	Yes