

Thermographic Body Temperature Measurement Camera



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Thermographic Body Temperature Measurement Camera

SM080TIPH



Main Features

- Korean technology applied / manufactured (lens / electronic module / housing / software)
- Includes 64 channel software program free of charge
- Real time monitoring and fast response (30 FPS)
- Network (TCP/IP, UDP)

Product Specification

- Array Size : 80x80(Pixel Pitch : 34 μ m)
- Frame Rates : 30fps
- Output : TCP/IP, UDP (Network)
- Time to First Image : <2.0 Sec.
- Power : Input Voltage(DC 5V, 1A), Consumption(<2.5W)
- Radiometric Accuracy : $\pm 1^{\circ}\text{C}$ (30 $^{\circ}\text{C}$ ~40 $^{\circ}\text{C}$)
- Optics(HFOV) : 58 $^{\circ}$ ($\pm 1^{\circ}$)

Main Function

Alarm	Image + Temperature display	Focus free
Event management	Logs for temperature information	Recording
Central monitoring	10 regions(Region of Interest)	Report

SPECIFICATION - SM080TIPH

FOCAL PLANE ARRAY

Detector Type	a-Si Microbolometer
Array Size	80 × 80
Pixel Pitch	34 μ m
Spectral Band	8~14 μ m
Sensitivity(NETD)	<100 mK @50Hz, F/1, 300K
Spatial resolution(IFOV)	12.64 mrad

THERMAL IMAGE FORMAT

Detector Frame Rates	30 fps.
Ethernet Interface	10/100 Based-T (RJ-45 Connector)
Data Streaming	IP Network
Automatic Gain and Level	Real Time Temperature Data
Display mode	AUTO
Non-Uniformity Correction	64 channels
Time to First Image	2-point Correction
	< 2.0 Seconds
	(After Network Connection)

MECHANICAL

Dimensions(H x W x D)	48 x 48 x 66 mm (W/O Bracket & Cable)
Weight with lens	200g
Data Cable	CAT5 or Higher(CAT5E.CAT6)

FEATURES

Available Command Protocols	IP, ARP, ICMP, SNMP
Alarm	DC 5V Wet Contact
Color	Color Palette(6 Color/Black&White)
Temperature Out	All points
Stable Time for Temperature out	<1.5 minutes
Target Temp. Range	0°C to +200°C
System NETD	0.1°C
Radiometric Accuracy	±1°C (30°C~40°C)

ENVIRONMENTAL

Operating Temp.	-10°C to +50°C
Humidity	5 to 95%

OPTICS

Horizontal FOV	58°
Lens Type	Athermalized

POWER

Input Voltage	DC 5V, 1A
Power Consumption (nominal)	< 2.5 W (Max.)

[Reference site 1]



Site	GS Lobby
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference site 2]



Site	COEX Intercontinental
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference 3]



Site	Intercontinental Hotel
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference site 4]



Site	Parnas Tower
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference site 5]



Site	KB Finance Tower
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference site 6]



Site	Yeonsung University
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus

[Reference site 7]



Site	Singapore STS
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus



Site	SOMO Energy & Technology
Model	SM080TIPH
Purpose	Monitoring the temperature of incoming personnel
Effect	Prevention of the Corona19 virus