Affordable & Innovative

EMTAKE THERMAL CAMERA

MT-10
Affordable Thermal IP Camera

MT-10B
Affordable Industrial Thermal IP Camera

MT-30
Affordable Thermal Camera for Detecting Fever

MT-50
Un-Contact Based Thermal Network Camera

B02
Affordable Blackbody

emtake
www.emtake.com

KICT
KOREA INSTITUTE of CIVIL ENGINEERING and BUILDING TECHNOLOGY

World First!!

Affordable Thermal IP Camera (MT-10)

Thermal IP camera which detects abnormal signs of fire/security, health status of elderly person, and persons suspected of viral infection and notifies it remotely while protecting the portrait right
(Launched Dec. / 2019)

On sale

Camera Concept

- Real time monitoring from anywhere/anytime with smartphones
- Detects temperature/movement determined by the user to send real-time alarm to smartphone about abnormal sighs regarding fire/ security
- Monitoring many cameras at the same time Supports onvif
- Detects without additional device during bad weather and evening

System Config.

Camera

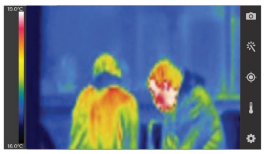
Main unit, Stand, Power adapter
Ethernet/built-in WiFi 80×60 micro-bolometer thermal sensor
Network
P2P (On/Off), DHCP (On/Off) support for wall mount (sold separately)

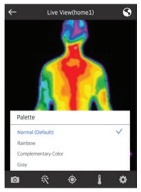
Viewer S/W

Android Viewer App. iOS Viewer App.

Server

Relay Server





• Viewer S/W

Spec.

(Note : www.emtake.com)

Resolution	80 × 60, Micro Bolomerer Array
Shutterless	Shuttered Config
Viewing of angle	30° lens / 50° lens / 90° lens
Measuring range	-30°C ~ 200°C (Extensible to 200°C)
Relative temperature sensing power	0.1°C (@ 30°C)
Frame rate	30 ~ 1 Frame/sec (Variable)
Network	Ethernet, WiFi (Embedded), ONVIF
Viewer App., S/W	Smartphone (Android, iOS)
Design	● Black / ○ White, Standbody
Power	DCSV, 1A
Language	English, Korean, Chinese, Japanese
Size(L x W x H) / Weigh	73 mm × 76 mm × 117 mm / 140g

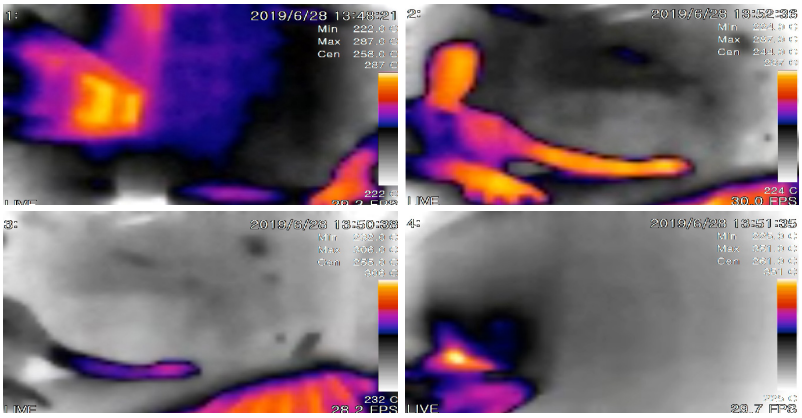
Caution • It may differ from brochure contents and actual product.

• Made in Korea

Affordable Industrial Thermal IP Camera (MT-10B)

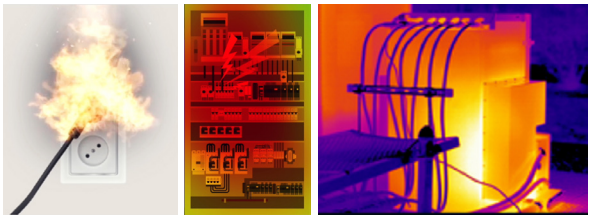
Camera Concept

- Fire signal Alarm in advance
- More accurate security & safety with intelligent solution
- Detecting abnormal equipment of industrial & building facilities
- Monitoring many cameras by the existing control center (supporting ONVIF)



Application

- Smart Factory & Building
- Shopping Mall
- School, Preschool
- Clinic, Nursing Home
- Green House
- Electric switchboard



Spec.

Resolution	80 x 60, Micro Bolomerer Array
Shutter	Shutterless Config
Viewing of angle	90° lens
Measuring range	-20°C ~ 100°C
Relative temperature sensing power	0.1°C @ 30 °C
Power	5V DC / 1A. POE Splitter
Network	Ethernet
Viewer App., S/W	Monitoring System, Smartphone
Size(L x W x H)	62 mm x 53 mm x 65 mm

Caution • It may differ from brochure contents and actual product.

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Affordable Thermal Camera for Detecting Fever (MT-30)

Thermal imaging camera that specializes
in detecting human fever (Launched Mar. / 2020)

On sale

• Tripot is not included

Camera Concept

- More Accurate fever detection
- Alarm temperature setting in real time
- Real time monitoring on PC
- Face Recognition : AI / Machine Learning

System Config.

Camera

Camera

80 × 60 micro-bolometer thermal Sensor

USB Cable

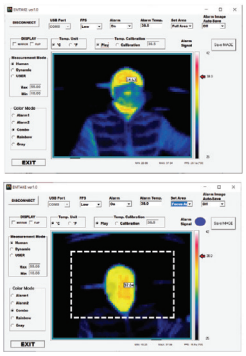
Data,
Power supply (DC 5V)

Windows 10

Temperature sensing monitoring S/W (bundle)

Wall mount bracket

PC Program Monitoring



Blackbody(Option)

Spec.

(Note : www.emtake.com)

Resolution	80 × 60, Micro Bolomerer Array
Shutterless	Shutterless Config (option shuttered)
Viewing of angle	30° lens / 50° lens / 90° lens
Measuring range	-20°C ~ 100°C (Extensible to 200°C)
Relative temperature sensing power	0.1°C (@ 30°C)
Network	USB
Viewer S/W	PC Software program
Design	● Black / Standbody
Power	USB
Language	English
Size(L x W x H) / Weigh	55.5 mm × 55.5 mm × 53.7 mm / 100g

Caution • It may differ from brochure contents and actual product.

Un-Contact Based Thermal Network Camera (MT-50)

On sale
• This design is subject to change

Camera Concept

- Application for Fever Detecting, Fire Signal Alarm and Security
- Multi Camera monitoring from anywhere/anytime with PC, NVR & Smartphone
- Accurate temperature measurement by Calibration and Blackbody function
- Face Recognition : AI / Machine Learning

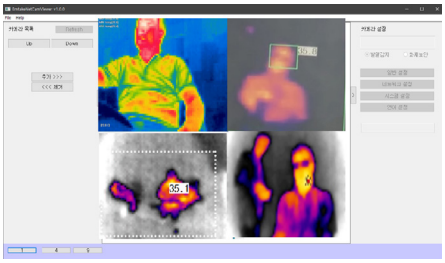
System Config.

Camera
(80 x 60) Shuttered or Shutterless Sensor module, Ethernet , H.264, ONVIF

Monitoring System
PC Viewer, Smartphone Viewer App.(Android, iOS)

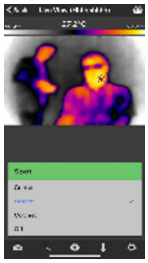
Server
P2P Relay Server(Any Where, Real-Time), Local closed network system

PC Monitoring System



NVR

Smartphone



Spec.

Resolution	80 x 60, Micro Bolomerer Array
Lens	Shuttered or Shutterless Lens Config
Viewing of angle	30° lens or 50° lens or 90° lens
Measuring range	-20°C ~ 100°C (Extensible to 200°C)
Relative temperature sensing power	0.1°C @ 30°C
Frame rate	1 ~ 30 Frame/sec
Network	Ethernet, WiFi (Embedded)
Viewer App., S/W	PC, NVR, Smartphone (Android, iOS)
Power	5V/1A, POE Splitter

Caution • It may differ from brochure contents and actual product.

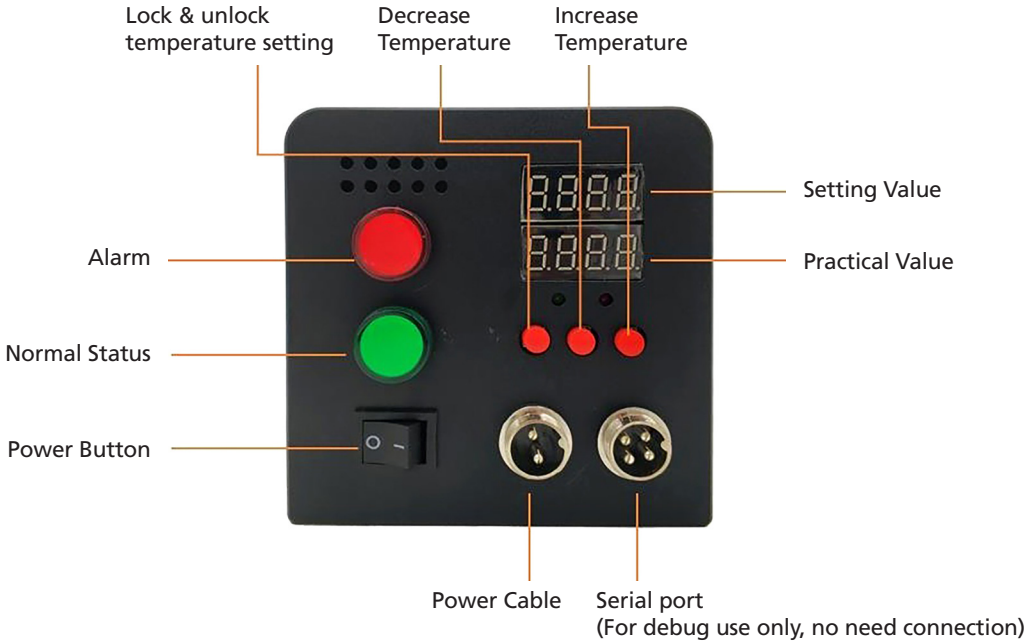
Affordable Blackbody (B02)

Blackbody Concept

Large Radiation surface(80 x 80 mm) Blackbody

Improved temperature accuracy up to 0.3°C when used with EMTAKE's thermal camera

System Config.



Spec.

Temperature Range	+5°C ~ 50°C (41°F~122°F)
Black target surface diameter	80 x 80mm
Effective emissivity	0.96 ± 0.02
Temperature resolution	0.01°C
Temperature stability	± 0.1°C
Measurement Accuracy	± (0.15 + 0.003|t|)°C
Power supply	100-240V, 50Hz
Working environment	0°C ~ 50°C (32°F ~ 122°F)
Dimension	110 mm x 110 mm x 190 mm / 1.7Kg
Install	Can be installed on a tripod

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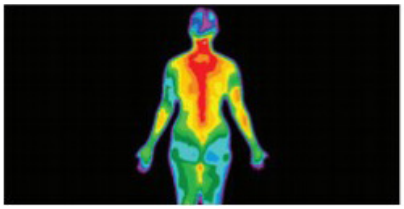
Application

Security

Detection of sign of fire

Checking building insulation

Detection of persons suspected of viral infection



Health care for parents and the elderly and weak

Building entrance, public place, Market, store

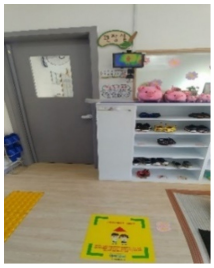
Detection of livestock health

Protection of cattle shed/greenhouse

Caring of home and companion animal

Reference

Kindergarten



School & Academy

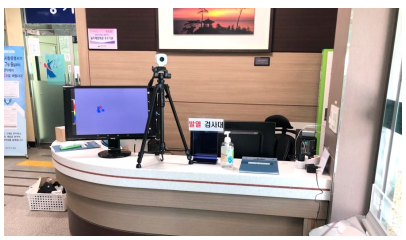
Church & Cathedral

Shop & Building

Clinic & Hospital

Café & Hotel

Local Government



Gym & Office

Farm & Green House

Note

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