

# Affordable & Innovative EMTAKE THERMAL CAMERA

**MT-10**

Affordable Thermal IP Camera

**MT-30**

Affordable Thermal Camera for Detecting Fever (+ Blackbody)

**MT-50**

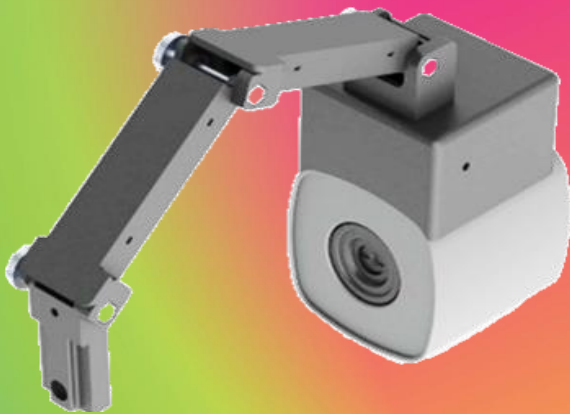
Un-Contact Based Thermal Network Camera (+ Blackbody)

**MT-50i**

Affordable Industrial Thermal IP Camera (+ Blackbody)

**B02**

Affordable Blackbody



 **emTake**  
www.emtake.com

email@emtake.com



# World First!!

## Affordable Thermal IP Camera (MT-10)

• Made in Korea

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.



Onsale

### 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 signs 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

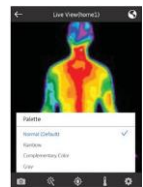
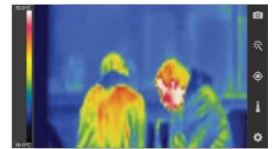
- Ethernet/built-in WiFi network
- 80x60 micro-bolometer thermal sensor
- P2P (On/Off), DHCP (On/Off), support for wall mount

#### Viewer S/W

Android Viewer App. iOS Viewer App.

#### Server

Relay Server



• Viewer S/W

### Spec.

(Note :www.emtake.com)

Resolution	80 × 60, Micro Bolometer Array
Shutterless	Shutterless or 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	Variable
Network	Ethernet, WiFi (Embedded), ONVIF
Viewer App., S/W	Smartphone (Android, iOS)
Design	● Black / ○ White, Standbody
Power	DC5V, 1A
Language	English, Korean, Chinese, Japanese
Size(L x W x H) /Weight	73 mm × 76 mm × 117 mm /140g

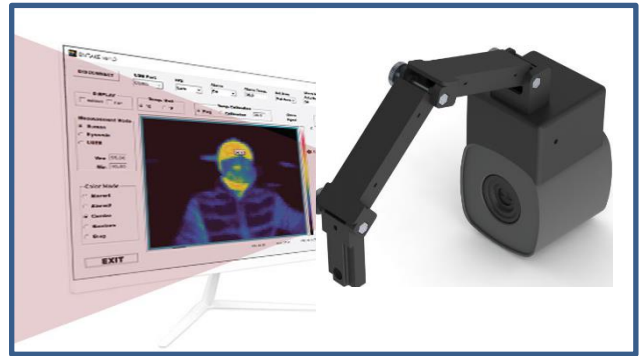


**Caution** • It may differ from brochure contents and actual product.

# Affordable Thermal Camera for Detecting Fever (MT-30)

Thermal imaging camera that specializes in detecting human fever

• Made in Korea



Onsale

## Camera Concept



More Accurate fever detection with EMTAKE's Embedded Blackbody



Alarm temperature setting in real time



Real time monitoring on PC



Face Recognition : AI (Head Detection)

## System Config.

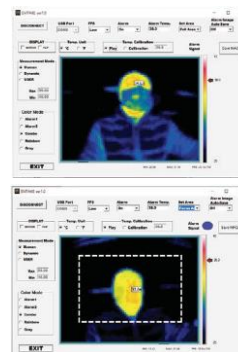
### Camera

- Camera body
- 80 × 60 micro-bolometer thermal Sensor
- USB Cable :  
Data/Power supply(DC5V)

### Windows 10

Temperature sensing monitoring S/W (bundle)  
Wall mount bracket

### PC Program



### Embedded Blackbody



## Spec.

(Note : www.emtake.com)

Resolution	80 × 60, Micro Bolometer Array
Shutterless	Shutterless Config (option shuttered)
Viewing of angle	30° lens /50° lens /90° lens
Measuring range	-20°C ~ 100°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 / Korean / Chinese, Japanese
Size(L x W x H) /Weight	55.5 mm × 55.5 mm × 53.7 mm /100g



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

• Made in Korea



• Embedded Blackbody



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• Trypot is not included

## 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 EMTAKE's Embedded Blackbody



Face Recognition : AI /Machine Learning

## System Config.

### Camera

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

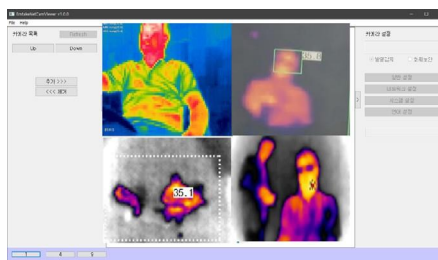
### Monitoring System

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 Bolometer Array
Lens	Shuttered or Shutterless Lens Config
Viewing of angle	30° lens or 50° lens or 90° lens
Measuring range	-20°C ~ 100°C
Relative temperature sensing power	0.1°C @ 30°C
Frame rate	Variable
Network	Ethernet, WiFi (Embedded), ONVIF
Viewer App., S/W	PC, NVR, Smartphone (Android, iOS)
Power	5V/1A, POE Splitter (Option)

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# Affordable Industrial Thermal IP Camera (MT-50i)

• Made in Korea



• Embedded Blackbody (Option)



Onsale

## Camera Concept



Fire signal Alarm in advance



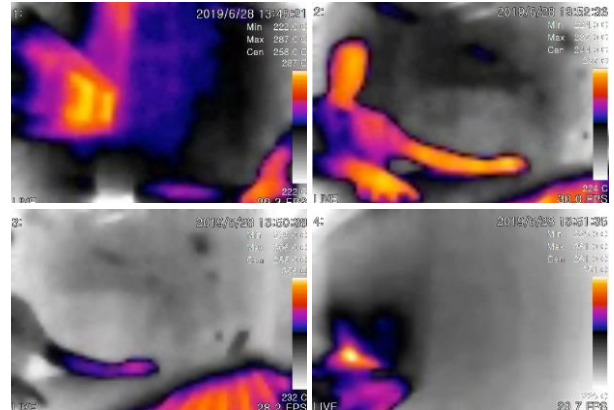
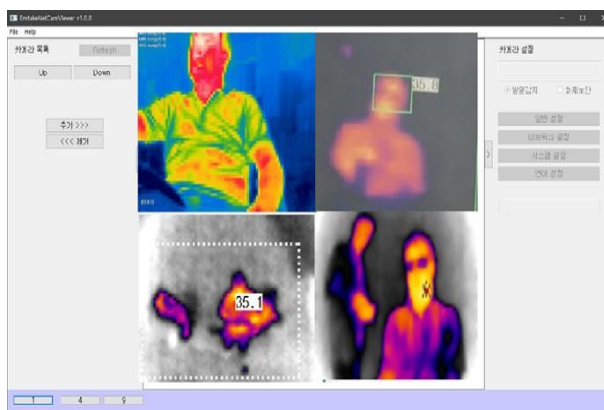
More accurate security & safety with intelligent solution & Embedded Blackbody (Option)



Detecting abnormal equipment of industrial & building facilities

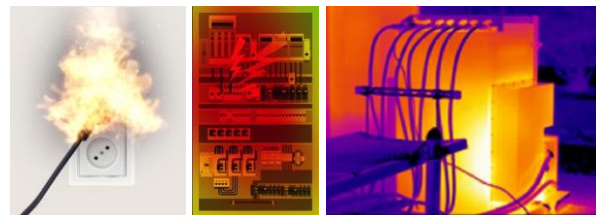


Monitoring many cameras by the existing control center (supporting ONVIF)



## Application

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



## Spec.

Resolution	80 x 60, Micro Bolometer Array
Shutter	Shutterless & Shuttered Config
Viewing of angle	90° lens / 50° lens
Measuring range	-20°C ~ 100°C
Relative temperature sensing power	0.1°C @ 30°C
Power	5V DC /1A. POE Splitter
Network	Ethernet, WiFi (Embedded), ONVIF
Viewer App., S/W	Monitoring System, Smartphone
Size(L x W x H)	62 mm x 53 mm x 65 mm

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# Affordable standalone Blackbody (B02)



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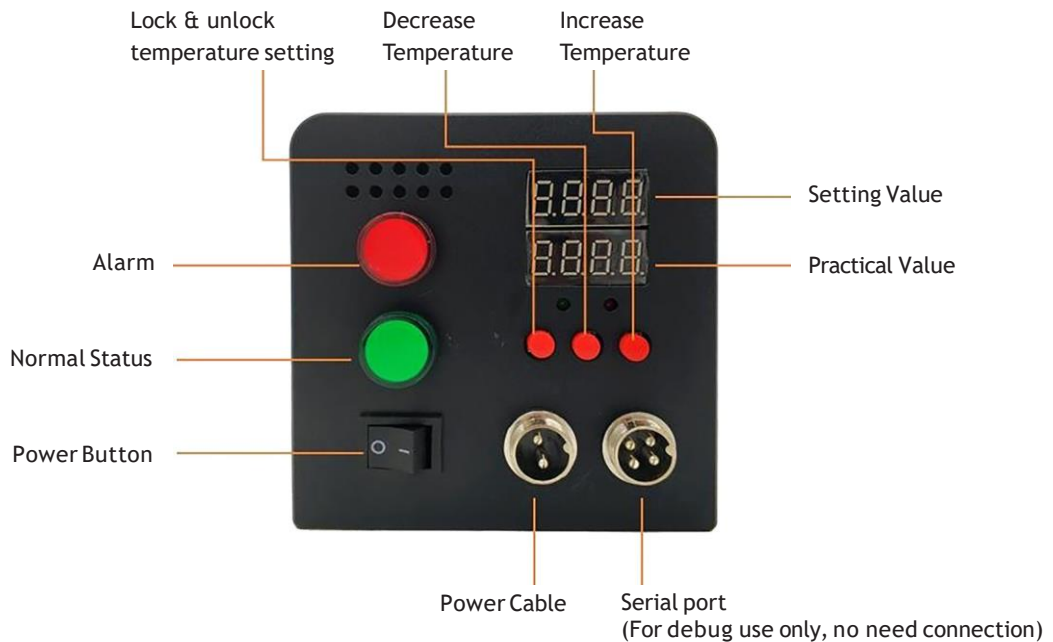
## Blackbody Concept



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

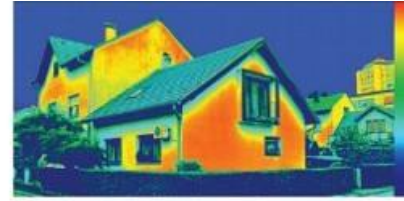
Security



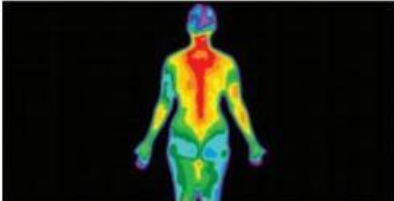
Detection of sign of fire



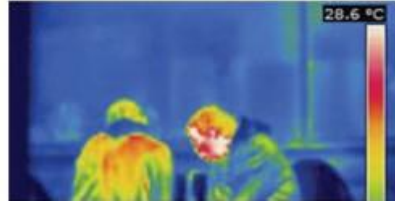
Checking building insulation



Detection of persons suspected of viral infection



Health care for parents and the elderly and weak



Building entrance, public place, Market, store



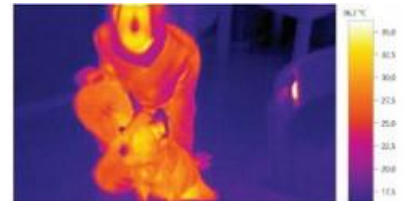
Detection of livestock health



Protection of cattleshed/greenhouse



Caring of home and companion animal



## Reference

Kindergarten



School & Academy



Church & Cathedral



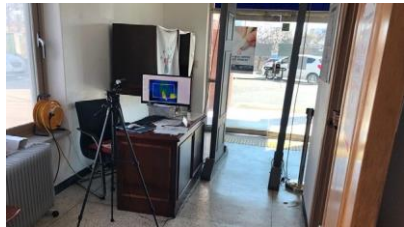
Shop & Building



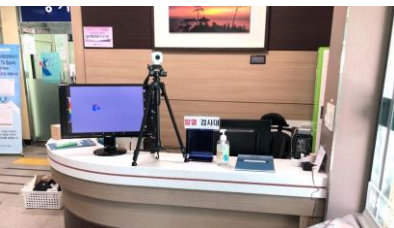
Clinic & Hospital



Café & Hotel



Local Government



Gym & Office



Farm & Green House

