

Affordable & Innovative

EMTAKE THERMAL CAMERA

TW8035

Affordable Micro-Bolometer Thermal Sensor Module (80 x 60)

MT-10

Affordable Thermal IP Camera

MT-30

Affordable Thermal Camera for Detecting Fever (+ Blackbody)

MT-50

Affordable Un-Contact Based Thermal Network Camera (+ Blackbody)

MT-50i

Affordable Industrial Thermal network Camera (+ Blackbody)

DP-32

High Resolution Thermal Camera(320 x 240)

YMK-30

KIOSK Type All-In-One Fever Detecting Thermal Camera

EBB (EMTAKE Blackbody)

Affordable EMTAKE's Embedded Blackbody

B02

Affordable Blackbody

ITX-4A

Network Video Recorder(NVR) for Thermal Camera & CCTV Camera



 **emTake**
www.emtake.com

email@emtake.com
www.emtake.com

Affordable Thermal Sensor Module (TW8035)

• Made in Korea

Entry-level uncooled infrared ray micro-bolometer thermal sensor module made with full CMOS (on sale)

Sensor Module Spec.

Long wave infrared spectral range from 8μm to 14μm

Pixel pitch : 80 x 60 focal plane array, 35μm

NETD (Thermal sensitivity) < 100 mK (0.1°C)

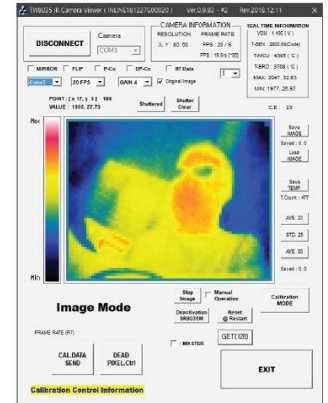
Shutter-less or Shuttered & Wide Dynamic Range

Lens : 30° / 50° / 90°

I/O : USB / SPI / I2C / Alarm / Reset / GPIO

Size : 25 x 35 / 40 x 40 mm

Provides viewer for Windows PC, I/O protocol for development, and driver



Onsale

Application

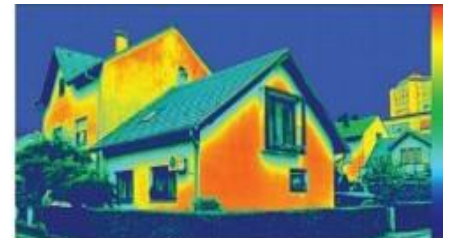
Security



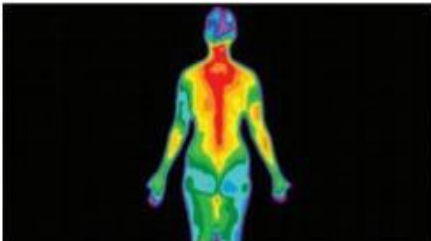
Detection of sign of fire



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



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.



KC / CE / FCC / TELEC **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

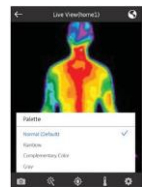
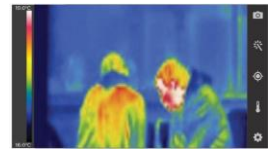
- Ethernet/built-in WiFi network
- 80x60 micro-bolometer thermal sensor
- P2P (On/Off), DHCP (On/Off), support for wall mount

Viewer S/W

Android Viewer App. iOS Viewer App.

Server

Relay Server



• Viewer S/W

Spec.

Sensor	Micro Bolometer Array - 4,800 Thermal Sensor Panes(80x60)
Shutterless	Shutterless or Shuttered Config
Viewing of angle	30° lens / 50° lens /90° lens
Measuring range	-30°C ~ 100°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	4 Languages supported
Size(L x W x H) /Weight	73 mm x 76 mm x 117 mm /140g

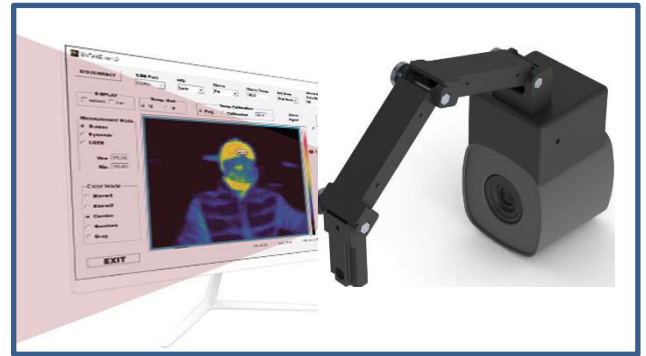
Caution • It may differ from brochure contents and actual product.



Affordable Thermal Camera for Detecting Fever (MT-30)

Thermal imaging camera that specializes in detecting human fever

• Made in Korea



Onsale KC / CE / FCC

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.

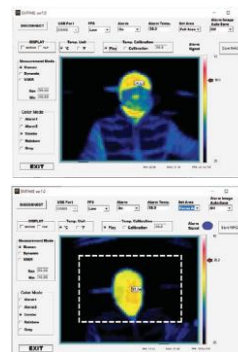
Camera

- 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.

Sensor	Micro Bolometer Array - 4,800 Thermal Sensor Panes(80x60)
Shutterless	Shutterless Config (option shuttered)
Viewing of angle	30° lens /50° lens /90° lens
Measuring range	20°C ~ 50°C
Relative temperature sensing power	0.1°C (@ 30°C)
Network	USB
Viewer S/W	PC Software program
Design	Black / Stand
Power	USB
Language	13 Languages supported
Size(L x W x H) /Weight	55.5 mm × 55.5 mm × 53.7 mm /100g



• Tripot is not included

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

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

- Fever Detection
- Fire Signal Detection
- Security



• Embedded Blackbody

• Made in Korea



KC / CE / FCC / TELEC **Onsale**

• 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

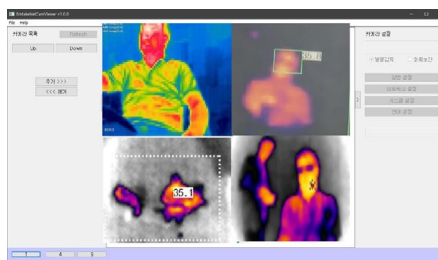
Monitoring System

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.

Sensor	Micro Bolometer Array - 4,800 Thermal Sensor Panes(80x60)
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)

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

Affordable Industrial Thermal network Camera (MT-50i)

• Made in Korea



• Embedded Blackbody (Option)



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Camera Concept



Fire signal Alarm in advance



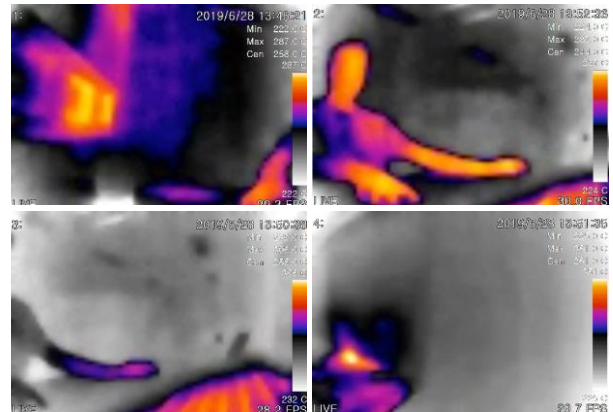
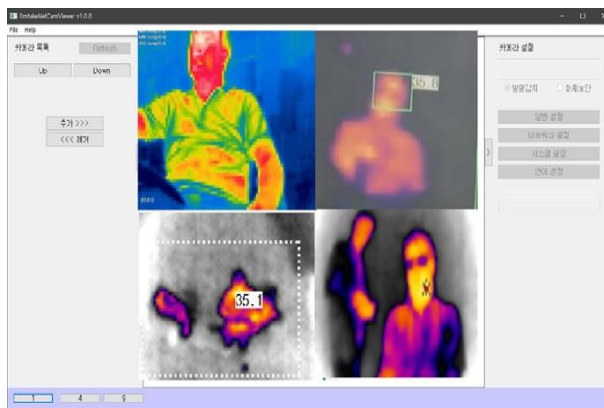
More accurate security & safety with intelligent solution & Embedded Blackbody (Option)



Detecting abnormal equipment of industrial & building facilities

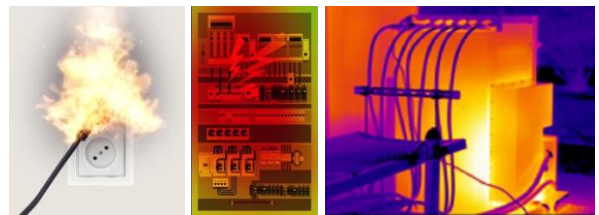


Monitoring many cameras by the existing control center (supporting ONVIF)



Application

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



Spec.

Sensor	Micro Bolometer Array - 4,800 Thermal Sensor Panes(80x60)
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	PC 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.

[320x240] Affordable High Resolution Thermal Camera(DP-32)

• Made in China



Embedded Blackbody



KC / CE / FCC

On sale

Camera Concept



Application for FeverDetecting



High Resolution (320x240) VoX Sensor



Most accurate temperature measurement by Blackbody function



Face Recognition : AI /Machine Learning

System Config.

Camera

(320 x 240 Shuttered Sensor module, USB I/F (Data & Power))

Monitoring System

PC Viewer Software Program (Multi Languages)

Head Detection, Calibration with BlackBody, Multi Area monitoring

Thermal Camera



USB Cable



Windows PC
(Win10)



Spec.

Sensor	320 x 240, Micro Bolometer Array
Shutter	Shuttered Config
Viewing of angle	30° lens
Measuring range	10°C ~ 100°C
Relative temperature sensing	0.07°C @ 25°C
Frame rate	9 Frame/sec
Network (Connection)	USB Interface
Viewer App., SW	Windows 10 PC, Software Program
Size(L x W x H) /Weight	129 mm x 73 mm x 61 mm /295g

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

KIOSK Type All-In-One Fever Detecting Thermal Camera (YMK-30)

KC / CE / FCC (for Thermal Camera)

- Fever Detection
- Embedded EMTAKE BlackBody

• Made in Korea

Onsale



Camera Concept



More Accurate fever detection with Embedded Blackbody



Alarm temperature setting in real time



Real time Dual monitoring on Windows Tablet PC & Big Screen Monitor



Kiosk Type : Table Stand & Tall Stand

System Config.

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

Camera

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

Windows Tablet PC

Temperature sensing monitoring S/W(bundle)

Monitor

Big Screen LED Monitor

Stand

Table stand or Tall Stand

PC Program



Embedded Blackbody



Spec.

[Thermal Camera & Embedded Blackbody]

Sensor	Micro Bolometer Array - 4,800 Thermal Sensor Panes(80x60)
Lens Shutter	Shutterless Config (option shuttered)
Viewing of Lens angle	30° lens / 50° lens / 90° lens
Measuring range	20°C ~ 50°C
Relative temperature Sensing power	0.1°C (@ 30°C)
Network	USB
Viewer S/W	PC Software program
Power	USB
Language	13 Languages supported

[Option for an All-In-One KIOSK System]

Design	All-In-One KIOSK Type	
Tablet PC	11.6 inches	10.1 inches
	Windows 10 / 64bit 1920*1080 Intel CPU RAM 4GB ~ Storage 64GB ~	Windows 10 / 64bit 1280*800 Intel CPU RAM 4GB ~ Storage 64GB ~
Monitor	Size : 20 / 22 / 24 inches Display : 16 : 9 FHD LED Interface : HDMI / USB Mount : VESA	
Stand	1.8m max. Steel, powder coating painted	

Notice - Selective purchase of components is possible

Affordable EMTAKE's Embedded Blackbody (EBB)

• Made in Korea

KC / CE / FCC

On sale



EBB Concept



Application for EMTAKE's Thermal Camera



Most accurate temperature measurement with EBB



Supporting any Camera Lens angle by joint structure



Auto temperature compensation

System Config.

EMTAKE Blackbody

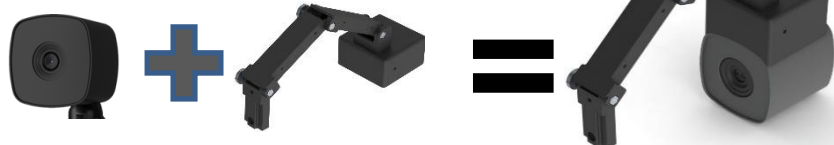
USB Type-C I/F (Data & Power)

LED Indicator

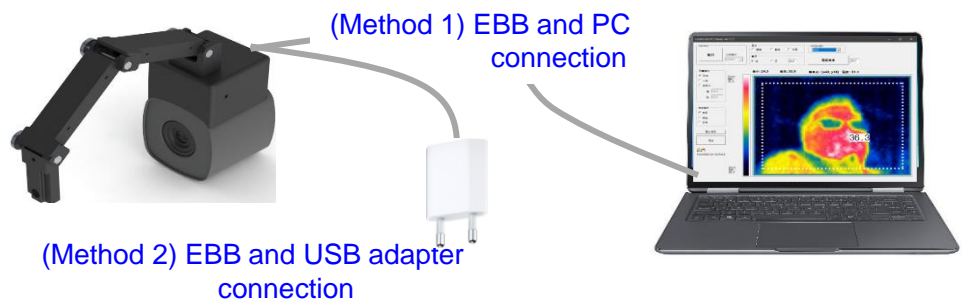
Power & Operation

Fixed Blackbody surface temperature

(1) Attaching EBB to the top of the camera



(2) Connect EBB directly to PC USB port or USB power adapter (DC 5V)



Spec.

Blackbody Temperature	37 ~ 39°C (Fixed Temp.) / 45 °C (Option)
Error rate	Fixed Temp. ± 0.3 °C
Connection	USB C type Data
Power	USB C type DC 5V
Operation environment	20 ~ 40 °C (Indoor only)

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

High Resolution Network Video Recorder (ITX-M4A)

• Made in Korea

Onsale

KC / CE / FCC



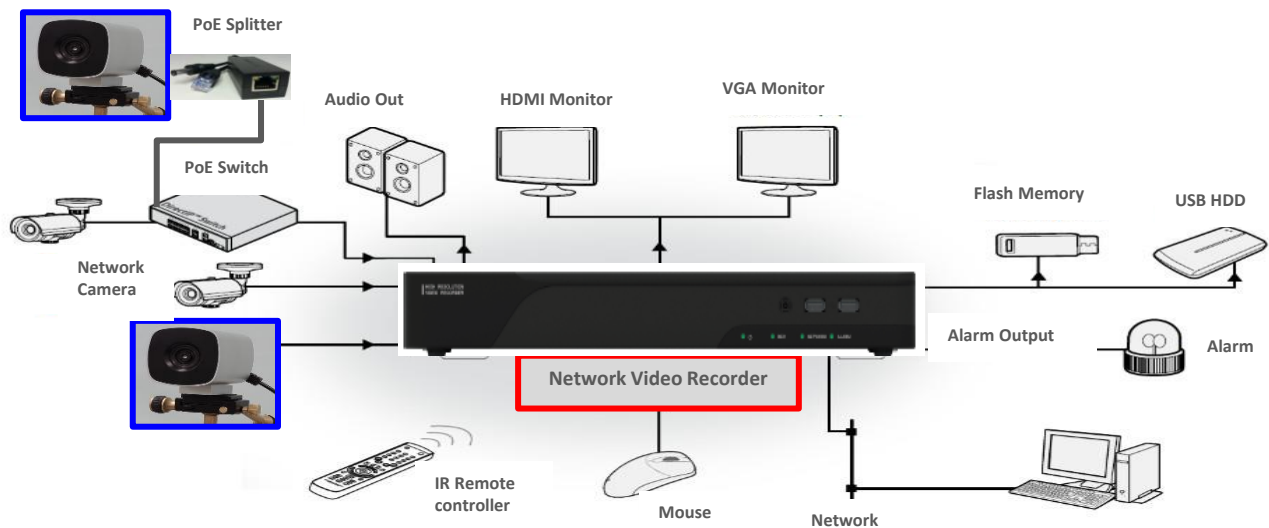
NVR Concept

Supporting EMTAKE Thermal Camera(MT50) & others CCTV Camera

Supporting Global Standard : ONVIF, H.264 Protocol

Fire signal Alarm, Security alarm

System Config.



Spec.

Channel	8 x IP & Thermal Camera / PoE
Video Resolution	VGA / HD Display
Video Format	H.264
Video I/F	HDMI, VGA
ONVIF	YES (Profile-S)
Recording	Upto 8M BPS / 30FPS
Power supply	DC 48V / 2A Adaptor / 11W
Working environment	0°C ~ 40°C (32°F ~ 104°F)
Dimension	380 mm x 1314mm x 44 mm / 2.5Kg
Certification	KC, CE, FCC

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