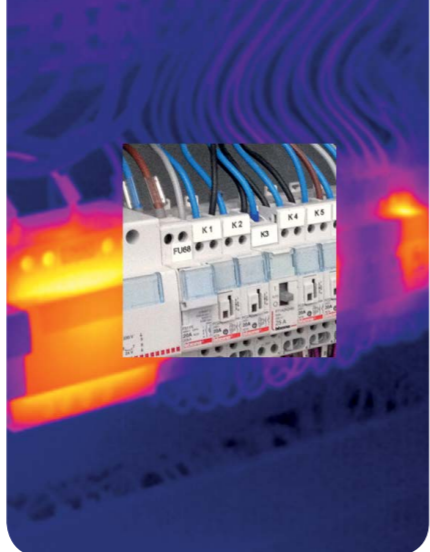


Immense technology. In the palm of your hand.

THT45|46 are ultra compact cameras with an incredibly light weight.



Not just infrared.

Thanks to new technology PiP you can mix thermal and visual image.

Tech specs

› IMAGING PERFORMANCE

Thermal	
Detector type	UFPA
Spectral range	8 ÷ 14µm
Resolution / Pxl size	THT45 80x80pxl/34µm THT46 160x120pxl/25µm
Thermal sensitivity	<0.1 °C @ 30°C
Field of view (FOV)	THT45 17°x17° (9mm Lens) THT46 25°x19° (9mm Lens)
Minimum focal distance	0.5m
IFOV (@1m)	THT45 3.78mrad THT46 2.78mrad
Focusing	Manual
Image frequency	50Hz
Color palettes	4 (Iron, Rainbow, Grey, Inverse Grey)

Visible

Integrated camera	1.3Mpxl, FOV 59°
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› IMAGING / IR VIDEO DISPLAY

Display type	2.8" color LCD, 320x240pxl
Infrared PiP Fusion	IR image inside visible & visible image inside IR
IR / Video	Recording and saving on Micro SD card MPEG4 file format
Video output	HDMI
Electronic zoom	x1 ÷ x32

› MEASUREMENT

Temperature range	-20°C ÷ 350°C
Measurement unit	°C, °F, °K
Accuracy	±2 % reading or ±2°C
Measurement cursors	3 (MIN, MAX, FIXED)
Laser pointer	Class 2 according to IEC 60825-1
Built-in illuminator	White light LED
Measurement modes	Automatic / Manual
Emissivity correction	0.01 ÷ 1.00 + built-in table with common materials
Measurements features	Automatic correction based on emissivity and offset

› IMAGE STORAGE AND PC INTERFACE


Memory	Micro SD card 8GB
File format	JPEG standard
Memory size	> 2000 images
PC interface	USB 2.0 (for video and image transfer)

› POWER SYSTEM

Battery type	Rechargeable Li-ION - 3,7V 2000mAh
Charging system	Built-in
Battery life	4 hours of continuous use
External power	External adapter 100/240VAC (50/60Hz)/12VDC

› GENERAL SPECIFICATIONS

Operating temperatures	-20°C ÷ 50°C
Operating humidity	10% ÷ 90%HR
Storage temperature	-40°C ÷ 70°C
Storage humidity	10% ÷ 90%HR
Encapsulation	IP50 according to IEC529
Shock	25G, according to IEC60068-2-29
Vibrations	2G, according to IEC60068-2-6
Drop test	2m
Dimensions (L x W x H)	224 x 77 x 96mm
Weight (battery included)	0.5kg



จัดจำหน่ายโดย : บริษัท เฟเวอร์เทค จำกัด
TEL : (02)8702884-5, (02)4289793-5
Email: sales@evertech.co.th
www.evertech.co.th

THT45|46 ESPRESSO SIZE INFRARED CAMERAS



HT ITALIA S.R.L.
 Via della Boaria, 40
 48018 Faenza (RA) Italia
 T +39 0546 621002
 F +39 0546 621144
 E-mail export@htitalia.it
ht-instruments.com

HT INSTRUMENTS AMERICAS LLC
 3145 Bordentown Avenue
 W3, Parlin, NJ 08879
 USA
 Tel. 1 719 421 9323
 E-mail: sales@ht-instruments.us
ht-instruments.us

HT INSTRUMENTS GMBH
 Am Waldfriedhof, 1b
 D-41352 Korschenbroich, Deutschland
 Tel. + 49 (0)2161 564 581
 Fax + 49 (0)2161 564 583
 E-mail: info@ht-instruments.de
ht-instruments.de

HT INSTRUMENTS SA
 C/ Legalitat, 89
 08024 Barcelona, España
 Tel. +34 93 4081777
 Fax +34 93 4083630
 E-mail: info@htinstruments.es
ht-instruments.es



THT45|46 COMPACT INFRARED CAMERAS



A very gifted series.

- › LED Flash
- › Visual image camera
- › Laser pointer



Stay connected.

- › USB 2.0 PC connection
- › Video HDMI output
- › MicroSD data saving
- › Mini USB Plug for recharge/power supply



160x120
80x80*
pixel  50 hz

Best display ever.

- › 2,8" extra bright, wide display
- › Superior sharpness and image quality
- › Oversampling technology
- › 50Hz refresh frequency

* THT45.



Unstoppables. Unbreakables.

- › 3,7V 2600mA Li-ION rechargeable battery
- › Up to 4 and a half hours of continuous use
- › Built-in charger and external adapter
- › Soft carrying bag to carry the camera and the accessories



All answers. In one software.

- › Innovative display
- › New drop down menu
- › Simple and smart interface
- › Fast access to all commands
- › Fixed cursor + 2 mobile cursors for MIN and MAX temperature
- › P.i.P. Visible spectrum and thermal imaging overlap
- › Video IR recording
- › Thermal sensitivity 0,1°C
- › Temperature range -20/+350°C
- › Automatic SPAN adjustment
- › Selection of material to be inspected to set automatic emissivity
- › Ready to use pre-set table of material

THTLink™. That's it.

- › Innovative PC Software
- › Easy to use interface
- › Thorough analysis
- › Picture Adjustment
- › Creation of professional reports





1. IMAGING PERFORMANCE

Thermal	
Detector type	UFPA
Spectral range	8 ÷ 14µm
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Focusing	Manual on lens
Image frequency	50Hz
Color palettes	4 (Iron, Rainbow, Grey, Grey Inverted)
Visible	
Integrated camera	1.3Mpxl, FOV 59°

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Display type	2.8" LCD, color 320x240pxl
Infra PiP Fusion	IR image inside Visible
IR/Visible Video	Recording and saving on micro SD card MPEG4 format
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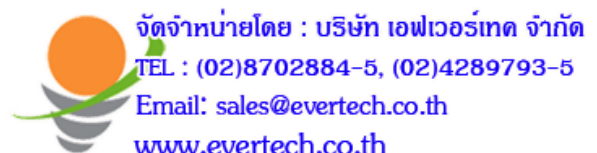
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Built-in illuminator	White light LED
Measurement modes	Automatic / Manual
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Measurement features	Automatic correction based on emissivity and reflexed temperature

4. IMAGE STORAGE AND PC INTERFACE

Memory	Micro SD card 8GB
File format	JPEG standard
Memory size	> 2000 images
PC interface	USB 2.0 (for video and image transfer)

5. POWER SYSTEM

Battery type	Rechargeable Li-ION, 3,7V 2000mAh
Charging system	In camera
Battery life	4 hours of continuous use
External power	External adapter 100/240VAC (50/60Hz)/5VDC





6. GENERAL SPECIFICATIONS

Operating temperature	-20°C ÷ 50°C
Operating humidity	10% ÷ 90%HR
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Storage humidity	10% ÷ 90%HR
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