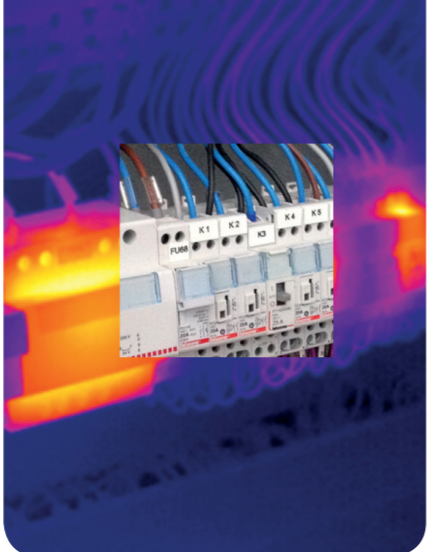




**Immense technology. In the palm of your hand.**

THT45 is an ultra compact camera with an incredibly light weight.



**Not just infrared.**

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

## Tech specs

### 1. IMAGING PERFORMANCE

#### Thermal

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

#### Visible

Integrated camera	1.3Mpxl, FOV 59°
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### 2. IMAGING / IR VIDEO DISPLAY

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

### 3. 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
Emissivity correction	0.01 ÷ 1.00 + built-in table with common materials
Measurements features	Automatic correction based on emissivity and offset

### 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	Built-in
Battery life	4 hours of continuous use
External power	External adapter 100/240VAC (50/60Hz)/12VDC

### 6. 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

# THT45

## INFRARED CAMERA EXPRESS FORMAT



proArte grafica bsh\_THT45ENG\_1.00



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# THT45 COMPACT INFRARED CAMERA



## A very gifted one.

- › 1. Flash LED
- › 2. Visual image camera
- › 3. Laser pointer



## Stay connected.

- › **USB 2.0** PC connection
- › **Video HDMI** output
- › **MicroSD** data saving
- › DC 12V plug for **recharge/power supply**



## All answers. In one software.

- › Innovative display.
- › **New** drop down menu
- › **Simple** and smart interface
- › **Fast access** to all commands
- › Fixed pointer + **2 mobile pointers** 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**.
- › **Pre-set table of material**



80x80  
pixel  50 hz

## Best display ever.

- › 3,5" **Capacitive** touchscreen
- › Wide and **extra bright**
- › Superior **sharpness** and image quality
- › **Oversampling** technology
- › **50Hz** refresh frequency



## Unstoppable. Unbreakable.

- › 3,7V 2000mA 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

## THTLink. That's it.

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

