



INFRARED
CAMERAS

160x120
80x80
pixel

YouTube

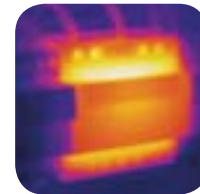


ORDER CODE **HN000046** / **HN000045**

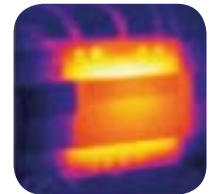
THT46 | THT45

COMPACT INFRARED CAMERAS WITH PiP FUNCTION

THT45 and THT46 are an **absolute innovation** in the field of thermal imaging cameras, due to both the advanced performance, specific to thermal imaging cameras, **and the compact design**. THT45 is equipped with IR sensor with **80x80pxl resolution**, which makes this the ideal instrument for routine **maintenance and analysis**. THT46 with a resolution of **160x120pxl** boasts an even greater performance that allows obtaining a **better definition** of the infrared image. These instruments feature a **high-brightness color LCD display** and a very simple drop-down menu that enables easy programming via a keypad. The temperature range is very broad (**-20° C to 350° C**), and you can save both the thermal images and the visual images in standard JPG format to a micro SD card. It is also possible to **transfer data to PC via USB**. **IR video recording** is also available. THT45 and THT46 cameras are the ideal solution for **detecting electrical problems, check of mechanical parts, analysis of hydraulic systems, forced ventilation**, etc. These cameras are completed by the SPAN function (**creation of a temperature range of interest**), and the **automatic setting of emissivity with a preset table of materials**.



THT46 160x120pxl



THT45 80x80pxl



Functions and features

IR image features

- IR sensor resolution 160x120pxl / 25µm (**THT46**)
80x80pxl / 34µm (**THT45**)
- Temperature range -20°C to 350°C
- Thermal sensitivity < 0.1° @ 30°C
- NETD: < 100mK
- Spectral range 8-14µm
- IFOV (@1m) 2.78mrad (**THT46**)
3.78mrad (**THT45**)
- Sensor type IR UFPA
- Frequency 50Hz

IR and integrated optical system features

- Field of view (FOV) 25° x 19° (**THT46**) 17° x 17° (**THT45**)
- Standard lens focal length 9 mm
- Manual IR optical system focus

Functions

- PiP Fusion function to mix thermal images with visual images
- 3 cursors: Central, Min, Max.
- Reflected temperature correction
- 4 color palettes
- Integrated emissivity table of common materials
- Readout in °C, °F, °K
- Laser pointer Class 2
- Built-in white light lamp

Data saving

- Images saved in standard JPEG format
- Saving IR video and audio in MPEG4 format

Additional features

- Powering with rechargeable battery
- USB port for PC connection
- HDMI output



Supplied accessories

	Micro SD Card 8GB
BAT45N	Rechargeable Li-ION battery
	USB cable for PC connection
	HDMI Video Cable
A0045N	Universal Mini USB adapter + AC/DC plug
	Headset with microphone
	User manual on CD-ROM + quick guide
B45	Soft bag for transport
THTLink	Windows software
	Calibration certificate ISO9000