80 x 80
p i x e l

You Tube

THT45 80x80pxl

THT46 160x120pxl
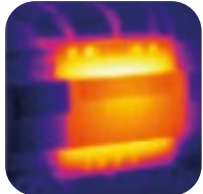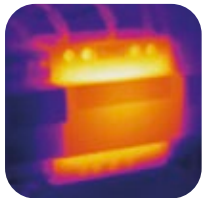
THT45W

COMPACT INFRARED THERMAL CAMERAS
WITH FUNCTION PiP

THT45W and **THT46 are an absolute innovation** in the sector of thermal cameras, both for the **advanced performance** typical of a high-level thermal camera and for their **reduced size**. THT45W is provided with IR sensor with resolution **80x80pxl** which makes it the ideal device for maintenance operations and **everyday analysis**. THT46, which a resolution of **160x120pxl**, has an even more advanced performance which allows a **better definition of the infrared image**. They are provided with an **LCD colour display** with **high brightness** and by a drop-down menu **very easy to use**, which allow for a **simple programming** by means of a keypad. The temperature range is very wide **(-20°C at 350°C)** and it is possible to save both **thermal images** and **visual images** in a standard JPG format on a **micro SD card**. IT is also possible **to transfer data onto the PC via USB**. Recording of **IR videos** is also available. Thermal cameras THT45W and THT46 are the **ideal partner** for **detecting** electric problems, checking mechanical parts, analyzing hydraulic systems, forced ventilation, etc. These thermal 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. They also have a Screening mode for human frontal temperature.

Functions and characteristics

	THT46	THT45W
IR image features		
IR sensor resolution	160x120pxl/25µm	80x80pxl/34µm
Temperature range -20°C a 350°C	●	●
Thermal sensitivity < 0,1° @ 30°C	●	●
Screening mode range	32°C÷42°C	32°C÷42°C
NETD: < 100mK	●	●
Spectral range 8÷14µm	●	●
IFOV (@1m)	2.78mrad	3.78mrad
Sensor type IR UFPA	●	●
Frequency 50Hz	●	●
IR and integrated optical system features		
Field of view	25° x 19°	17° x 17°
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	●	●

	THT46	THT45W
Additional features		
Powering with rechargeable battery	●	●
USB port for PC connection	●	●
HDMI output	●	●
WiFi connection for communication with mobile devices	-	● through THTview

Included accessories

	Micro SD Card 8GB
BAT45N	Rechargeable Li-ION battery
	USB cable for PC connection
	HDMI Video Cable
A0045U	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