

384x288
pixel

YouTube

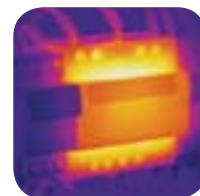


ORDER CODE **HN000070**

THT70

ADVANCED TOUCH SCREEN INFRARED CAMERA
WITH IR RESOLUTION 384X288PXL

THT70 is a professional thermal camera provided with an IR sensor with **high resolution 384x288pxl** which makes it suitable both for use in **industrial environments** and in the **construction sector**, thus allowing it to be used for **energetic certification tests**. Its peculiarity is its **internal icon structure** with one **capacitive colour touch-screen display with high brightness**. It is possible to save thermal and visual images in standard JPG format in the internal memory or on the appropriate Micro-SD card and **transfer data onto the PC** through the **USB** interface. It can be used to record **IR videos**. THT70 has a **wide temperature range (max. 400°C)** and it is possible to carry out **advanced analyses** including **spots, lines, areas** and **isotherm lines** on every image. The thermal camera is the ideal solution for **detecting electric problems, checking mechanical parts, analyzing hydraulic systems, forced ventilation**, etc. This thermal camera is completed and made particularly performing by the possibility of using **optional interchangeable optics**, the **Flash LED** and the **laser pointer**. In order to make thermographic analyses more immediate, this thermal camera has been provided with the technology **Picture in Picture** (possibility of **overlapping thermographic and visual images**), with the **SPAN** function (**creation of a temperature range of interest**) and with the **automatic setting of emissivity** with a **preset table of materials**. Finally, with the **provided software THTLink** it is possible to **analyze IR photos, change colour palettes**, prepare advanced reports and much more.



Functions and characteristics

Characteristics of IR image

- IR sensor resolution 384x288pxl / 25µm
- Temperature range from -20°C to 400°C
- Thermal sensitivity < 0,06° @ 30°C
- NETD: < 60mK
- Spectrum range 8÷14µm
- IFOV (@1m) 1.14mrad
- Type of sensor IR UFPA
- Frequency 50Hz

Characteristics of IR and integrated optics

- Field of view (FOV) 24.6° x 18.6° (lens 22mm)
- Focal length of standard lens 22mm
- Manual focusing of IR optics
- Integrated photo-camera resolution 640x480pxl

Functions

- Fusion PIP function for combination of thermal and visual images
- 3 cursors: Central, Min, Max.
- Advanced analysis: Spots, Lines, Areas on images and Isotherm line function
- Correction according to distance, reflected temperature and relative humidity
- 8 standard + 10 custom colour palettes
- Integrated table with emissivity values of common materials
- Alarm thresholds on temperature measurement
- Readings in °C, °F, °K
- Class 2 laser pointer
- Integrated white light illuminator

Data saving

- Standard format of saved images JPEG
- Saving of IR videos in MPEG4 format
- Voice and text annotation

Additional characteristics

- Capacitive touch-screen colour display
- Power supply with rechargeable battery
- USB interface to PC
- PAL/NTSC video output



Accessories provided

	Optics 22mm f/1.0
	Micro SD Card 4GB
BAT7X	Rechargeable Li-ION battery (2x)
	USB cable for PC connection
	Video cable
A007X	AC/DC power supply + universal plugs
	Headset with microphone
	User manual on CD-ROM + Quick guide for use
VA6070	Rigid Carrying case
	Recharging base
TRIP07X	Adapter for tripod
SSHIELD7X	Sun screen
THTLink	Windows software
	ISO9000 calibration certificate



Optional accessories

RL-11-70	Optional optics 11mm
RL-38-70	Optional optics 38mm