

Perfection beyond limits.



INFRARED THERMAL CAMERAS

Professional instruments
for industrial, electrical and
building applications.























Building the future since 1983

Perfection beyond limits.

The range of **HT thermal imaging cameras**, supported by state-of-the-art technology, represents the unique and ideal solution for professionals in many sectors such as **industry, construction, maintenance and performance monitoring**, etc. The multiple pluses, from the large **touch screen display** to the **high IR resolution**, from the innovative **icon menu** to the **wide memory**, combined with the **extreme ease of use**, make HT thermal imaging cameras essential tools for accurate and professional thermographic analysis.

HT infrared cameras, the right and **perfect partner**.

						
Capacitive extra-bright touch screen	Interchangeable optional lenses	Laser pointer	Optical thermal camera in visible range	Integrated flash LED	Up to 3 independent cursors	Preset emissivity values of materials
						
Multi-areas with independent cursors	Fluid image on moving subjects	High resolution for detailed images	P.i.P. fusion Overlapping of visual and infrared images	PC USB 2.0 connection HDMI video output Data saving on MicroSD card	Use with the THTview*** App for iOS™ and Android™ systems	
						
Temperature range from -20 to +650 °C	Automatic SPAN adjustment	High thermal sensitivity	Rechargeable battery	IR video recording	Voice notes	Text notes

THT70

ORDER CODE **HN000070**

ADVANCED INFRARED CAMERA WITH TOUCH SCREEN



WIFI CONNECTION

BODY TEMPERATURE SCREENING

384x288
PIXEL

RECHARGEABLE BATTERY



SEE THE TECHNICAL DATA SHEET

- › UFPA IR sensor
- › Resolution: 384 x 288 pxl / 17µm
- › Temperature range: -20°C ÷ 650°C
- › Screening mode Temperature range: 32°C ÷ 42°C
- › Thermal sensitivity: <0.05°C @ 30°C / 50mK
- › Visual range: 17° x 12.7° (lens 22mm)
- › Image focusing: Manual on lens
- › Frequency: 50Hz

- › Colour palette: 8 Standard + 4 Isotherme lines
- › Camera type: 5Mpxl, FOV 59°
- › Display: 3.5" TFT colour display with capacitive touch-screen, high brightness
- › IR, Visual, Fusion PiP, Auto Fusion
- › Digital zoom: 1x ÷ 32x
- › Video output: HDMI
- › Duration: 3 hours



WIFI
CONNECTION

**BODY
TEMPERATURE
SCREENING**

**160x120
PIXEL**

**RECHARGEABLE
BATTERY**



SEE THE
TECHNICAL
DATA SHEET

THT60

ORDER CODE **HN000600**

ADVANCED INFRARED CAMERA
WITH TOUCH SCREEN

- › Temperature range: -20°C ÷ 650°C
- › Screening mode temperature range: 32°C ÷ 42°C
- › UFPA IR sensor
- › Resolution: 160 x 120 pxl / 17µm
- › Thermal sensitivity: <0.05°C @ 30°C / 50mK
- › Visual range: 17.3° x 13° (lens 9mm)
- › Image focusing: Manual on lens
- › Frequency: 50Hz
- › Colour palettes: 8 standard + 4 isotherm lines
- › Camera type: 5Mpxl, FOV 59°
- › Display: 3.5" TFT colour display with capacitive touch-screen, high brightness
- › IR, Visual, Fusion PiP, Auto Fusion
- › Digital zoom: 1x ÷ 32x
- › Video output: HDMI
- › Duration: 3 hours



**BODY
TEMPERATURE
SCREENING**

**80x80
PIXEL**

**RECHARGEABLE
BATTERY**



SEE THE
TECHNICAL
DATA SHEET

THT33

ORDER CODE **HN000033**

COMPACT INFRARED CAMERA

- › Temperature range: -20 ÷ 380°C
- › Screening mode temperature range: 32°C ÷ 42°C
- › Thermal sensitivity: < 0.1°C @ 30°C
- › Frequency: 50Hz
- › Visual range: 21° X 21°
- › 3 cursors: Central, Min, Max
- › Built-in white light lamp
- › Bluetooth connection to mobile devices
- › Duration: 5 hours
- › Calibration certificate ISO



**BODY
TEMPERATURE
SCREENING**

**160x120
PIXEL**

**RECHARGEABLE
BATTERY**



SEE THE
TECHNICAL
DATA SHEET

THT46

ORDER CODE **HN000046**

COMPACT INFRARED CAMERA

- › Temperature range: -20°C ÷ 350°C
- › Screening mode temperature range: 32°C ÷ 42°C
- › Thermal sensitivity: < 0.1°C @ 30°C
- › Frequency: 50Hz
- › Visual range: 25° X 19°
- › Fusion PiP function
- › 3 cursors: Central, Min, Max
- › Laser pointer Class 2
- › Built-in white light lamp
- › Saving IR video and audio in MPEG4 format
- › USB port for PC connection and THTLink
- › Duration: 4 hours
- › Calibration certificate ISO



WIFI
CONNECTION

**BODY
TEMPERATURE
SCREENING**

**80x80
PIXEL**

**RECHARGEABLE
BATTERY**



SEE THE
TECHNICAL
DATA SHEET

THT45

ORDER CODE **HN000045**

COMPACT INFRARED CAMERA

- › Temperature range: -20°C ÷ 350°C
- › Screening mode temperature range: 32°C ÷ 42°C
- › Thermal sensitivity: < 0.1°C @ 30°C
- › Frequency: 50Hz
- › Visual range: 17° X 17°
- › Fusion PiP function
- › 3 cursors: Central, Min, Max
- › Laser pointer Class 2
- › Built-in white light lamp
- › Saving IR video and audio in MPEG4 format
- › USB port for PC connection and THTLink
- › WiFi connection to mobile devices
- › Duration: 4 hours
- › Calibration certificate ISO



COMPARISON CHART	THT70	THT60	THT46	THT45	THT33
IR Sensor resolution	384 x 288	160 x 120	160 x 120	80 x 80	80 x 80
Temperature range	-20 ÷ 650°C -4 ÷ 1202°F	-20 ÷ 650°C -4 ÷ 1202°F	-20 ÷ 350°C	-20 ÷ 350°C	- 20 ÷ 380°C
Thermal sensitivity	< 0.05°C @ 30°C	< 0.05°C @ 30°C	< 0.1°C @ 30°C	< 0.1°C @ 30°C	< 0.1°C @ 30°C
Frequency	50Hz	50Hz	50Hz	50Hz	50Hz
Visual range	17° X 12.7°	17.3° x 13°	25° X 19°	17° X 17°	21° X 21°
Advanced termographic analysis	•	•	-	-	-
Fusion PiP function for combining thermal and visual images	•	•	•	•	-
Cursors	4	4	3	3	3
Class 2 laser pointer	•	•	•	•	-
Integrated white light illuminator	•	•	•	•	•
Saving of IR videos and audio comments in MPEG4 format	•	•	•	•	-
USB connection and THTLink software	•	•	•	•	-
WiFi function for connection to mobile devices	• Wi-Fi	• Wi-Fi	-	• Wi-Fi	• Bluetooth
Duration	3 hours	3 hours	4 hours	4 hours	5 hours
Touchscreen display	•	•	-	-	-
ISO9000 Calibration certificate included	•	•	•	•	•
ORDER CODE	HN000070	HN000600	HN000046	HN000045	HN000033



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