Perfect, beyond all limits.

THT600H

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THT600

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#HT

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HVAC/Electrical & Mechanical application

Industrial application/Utility

High temperature

Energy auditing/ **Building** inspection

Photovoltaic application

Compact & pocket-sized





We build the future since 1983



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тнт 500 • тнт 600 • тнт 600L Industrial application / Utility	p. 6	
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HVAC\R **Electrical** & **Mechanical** application

HVAC, electrical and mechanical system maintenance is of prime importance. HT new entry-level range of thermal imaging cameras composed by THT300, THT200 and THT100 allows you to detect the most common problems affecting these systems.

THT20

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COMPATIBLE WITH HT PRO CAMERA

THT300

OK

ORDER CODE HN000300

THT300

IR resolution 384 x 288 pxl Temp. range **-20°** ÷ **650°**C Field of view **41.5°** x **31.1°**

ORDER CODE HN000200 THT200

IR resolution 160 x 120 pxl Temp. range **-20°** ÷ **650°**C Field of view **20.7°** x **15.6°**

> ORDER CODE HN000100 THT**100**

IR resolution 80 x 80 pxl Temp. range **-20°** ÷ **650°**C Field of view 21° x 21°

SHARED FEATURES

- Picture in Picture •
- AutoFusion image enhancement •
- Temperature range -20° ÷ 650°C •
- Thermal sensitivity: <0.05°C @ 30°C / 50mK •

Picture: an overheated fan motor shot with THT300.



Industrial application / Utility

When it comes to industrial and high voltage applications, damages from poor maintenance of corrosion over time can be severe and very costly. Inspection and troubleshooting has to be of high quality. HT advanced thermal imaging cameras are perfect for this application.



Multipurpose industrial application

In industrial environment maintenance of pumps, electric motors, coolers, piping, filters, valves, etc. has to be frequent. HT professional and versatile thermal imaging cameras such as THT500 and THT600 are designed to satisfy the need of the most demanding professionals.

Picture: a pipe junction shot with THT600.

Utility

Hand strap •

Monitoring of corroded and loosened electrical connections in high voltage installations is crucial, as their increased resistance could rise the temperature and melt connections.

Picture: an high voltage insulator shot with THT600L.







High Temperature

Where temperatures are high, risks are high too. Thanks to HT advanced thermal imaging cameras specialized in high temperature measurement, you will operate safely in any environment.



Hand strap •



Energy auditing **Building** inspection

The continuously growing energy consumption has a deep environmental impact. It is essential to save the environment and prevent any energy waste. HT thermal imaging cameras help you to perform building inspections by locating heat leaks, thermal insulation defects and humidity problems.

THT300

MENU .



COMPATIBLE WITH HT PRO CAMERA

THT600

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THT600

IR resolution **384** x **288** pxl Field of view 17° × 12.7° Temperature range -20° ÷ 650°C Laser distance meter Built in LED light Hand strap

> ORDER CODE HN000300 THT**300**

IR resolution 384 x 288 pxl Field of view 41.5° × 31.1° Temperature range -20° ÷ 650°C

SHARED FEATURES

- Picture in Picture •
- AutoFusion image enhancement •
- Thermal sensitivity: <0.05°C @ 30°C / 50mK •

Building inspection

Water can infiltrate your building damaging your property, and your inventory. Identifying the source of water infiltration can be difficult. THT cameras allow you to identify, so correct, any intrusion issues that may occur.

Picture: water leakage shot with THT300.

Energy auditing

Thermal imaging is effective for the detection and visualization of hot and cold spots, insulation faults and a lot more. Air leakage and consequent heat loss are mostly due to bad insulation, was it damaged or insufficient, and represent a waste of energy, so money. THT cameras make building diagnostics easy, thanks to their high sensitivity up to 0,05°C.

Picture: building insulation shot with THT600.









Photovoltaic application

Installing solar panels is a long-term investment that helps cutting your electricity bills and carbon footprint. It is necessary to keep a close eye on the efficiency of your systems. With HT thermal imaging cameras you will quickly locate faults, hot spots or damaged panels, to keep your solar installation operating at its maximum performance.

THT300

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COMPATIBLE WITH HT PRO CAMERA

THT600

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ORDER CODE HN000600 THT600

IR resolution **384** x **288** pxl Temp. range **-20°** ÷ **650°**C Field of view **17°** x **12.7°** Laser distance meter Built in **LED light** Hand strap

ORDER CODE HN000300 THT300

IR resolution 384 x 288 pxl Temp. range **-20°** ÷ **650°**C Field of view **41.5°** × **31.1°**

ORDER CODE HN000200 THT200

IR resolution 160 x 120 pxl Temp. range **-20°** ÷ **650°**C Field of view **20.7°** x **15.6°**

FEATURES

- Picture in Picture •
- AutoFusion image enhancement •
- Temperature range -20° ÷ 650°C •
- Thermal sensitivity: <0.05°C @ 30°C / 50mK •

detected.



Compact & pocket-sized

Small and excellent, HT infrared technology is now pocket-sized. Having your compact IR camera in your work pocket, you can easily and guickly carry out your inspections at any time.



Plumbing

Extreme **portability**



Mobile **Apps**

HT has created two different simple and intuitive apps to support and process your measures.



HT Pro Camera

Downloading HT Pro Camera on your device it is possible to:

- Duplicate the camera's screen on your device;
- Take IR pictures
- Change the color palette
- Add pointers, lines and areas
- Generate PDF reports
- Download all pictures from IR camera's memory



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HT Smart Camera

Downloading the exclusive app for THT8 HT Smart Camera on your device it is possible to:

- Take IR pictures
- Take real times IR videos
- Change the color palette
- Add pointers, lines and areas





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Accessories

STANDARD ACCESSORIES	THT 8	THT 80	THT 100	THT 200	THT 300
Carrying bag	•	•	•	•	•
Battery charger			•	•	•
Li-lon battery		•	• THTBATM	• ТНТВАТМ	• THTBATM
USB type C cable		•	•	•	•
Quick guide	•	•	•	•	•
ISO test report		•	•	•	•
16GB SD card		•	•	•	•
OPTIONAL ACCESSORIES	THT 8	THT 80	THT 100	THT 200	THT 300
Additional Li-Ion battery			• ТНТВАТМ	• ТНТВАТМ	• THTBATM
THTBATKITM additional battery + charging base			•	•	•
STANDARD ACCESSORIES	THT 500	THT 600	THT 500H	THT 600H	THT 600L
Hard carrying case	•	•	•	•	•
Battery charger	•	•	•	•	•
2x Li-Ion batteries	• THTBATL	• THTBATL	• THTBATL	• THTBATL	• THTBATL
Charging base	• THTCBL	• THTCBL	• THTCBL	• THTCBL	
Micro USB cable	•	•	•	•	•
HDMI cable	•	•	•	•	•
Quick guide	•	•	•	•	•
Earphone set	•	•	•	•	•
SD card	•	•	•	•	•
Hand strap	•	•	•	•	•
Quick guide	•	•	•	•	•
ISO test report	•	•	•	•	•
OPTIONAL ACCESSORIES	THT 500	THT 600	THT 600	THT 500H	THT 600
Additional Li-Ion battery	• THTBATL	• THTBATL	• THTBATL	• THTBATL	• THTBATL
Additional charging base	• THTCBL	• THTCBL	• THTCBL	• THTCBL	• THTCBL

Technical specifications

	THT8	тнт 80	THT 100	THT 200	тнт зоо	тнт 500	THT 600	THT 600L	тнт 500н	тнт 600н
IR resolution	120x90 pxl	120x90 pxl	80x80 pxl	160x120 pxl	384x288 pxl	160x120 pxl	384x288 pxl	384x288 pxl	160x120 pxl	384x288 pxl
Temperature range	-20° ÷ 400°C	-20° ÷ 550°C	-20° ÷ 650°C	-20° ÷ 650°C	-20° ÷ 650°C	-20° ÷ 650°C	-20° ÷ 650°C	-20° ÷ 650°C	-20° ÷ 1200°C	-20° ÷ 1200°C
Image frequency	25Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Thermal sensitivity/NETD	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK	<0.05°C @ 30°C / 50mK
Built-in visual camera	-	2 MP, focus free, with built in LED light	2 MP, focus free	2 MP, focus free	2 MP, focus free	5 MP, focus free	5 MP, focus free	5 MP, focus free	5 MP, focus free	5 MP, focus free
Picture in Picture	-	•	•	•	•	•	•	•	•	•
AutoFusion image enhancement	•	•	•	•	•	•	•	•	•	•
Accuracy	±3°C (±5.4°F) or ±3% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading	±2°C (±3.6°F) or ±2% of the reading
Field of view (FOV) / Focal lenght / Lens	50° x 38° / f 1.13 2.3mm	50° x 37° / f 1.13 2.3mm	21° x 21° / f1.0 7.5mm	20.7° x 15.6° / f 1.0 7.5mm	41.5° x 31.1° / f 1.0 9mm	17.3° x 13° / f1.0 9mm	17° x 12.7° / f 1.0 22mm	9.8° x 7.3° / f 1.0 38mm	17.3° x 13° / f 1.0 9mm	17° x 12.7° / f 1.0 22mm
IFOV	7.29mrad	7.3mrad	4.53mrad	2.26mrad	1.89mrad	1.89mrad	0.77mrad	0.45mrad	1.89mrad	0.77mrad
Focus mode	focus free	focus free	focus free	manual	manual	manual	manual	manual	manual	manual
Digital zoom	-	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous	1–32x continuous
Measurement tools (in live mode)	5 spots, center spot, hot/ cold spots, 2 areas, 4 lines	3 spots, center spot, hot/cold spots, 3 areas, vertical and horizontal lines								
		emissivity, reflected temperature, ambient temperature, atmospheric humidity, infrared compensation, distance compensation								
Measurement corrections	-		emissivity,	reflected temperature,	ambient temperature,	atmospheric humidity, ir	nfrared compensation, d	listance compensation		
Measurement corrections Color palettes	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite		emissivity, iron, rainbow	reflected temperature, , white hot, black hot,	ambient temperature, brown hot, blue/red,	atmospheric humidity, ir hot/cold, feather, abov	nfrared compensation, d e max alarm, below mi	listance compensation n alarm, interval alarm		
Measurement corrections Color palettes Span modes	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite -	auto, manual, histogram	emissivity, iron, rainbow auto, manual, histogram	reflected temperature, , white hot, black hot, auto, manual, histogram	ambient temperature, brown hot, blue/red, auto, manual, histogram	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram	nfrared compensation, d e max alarm, below mi auto, manual, histogram	listance compensation n alarm, interval alarm auto, manual, histogram	auto, manual, histogram	auto, manual, histogram
Measurement corrections Color palettes Span modes Laser pointer	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite - -	auto, manual, histogram	emissivity, iron, rainbow, auto, manual, histogram -	reflected temperature, , white hot, black hot, auto, manual, histogram -	ambient temperature, brown hot, blue/red, auto, manual, histogram -	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram	nfrared compensation, d e max alarm, below mi auto, manual, histogram	listance compensation n alarm, interval alarm auto, manual, histogram	auto, manual, histogram	auto, manual, histogram
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meter	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite - - -	auto, manual, histogram -	emissivity, iron, rainbow, auto, manual, histogram - -	reflected temperature, , white hot, black hot, auto, manual, histogram - -	ambient temperature, brown hot, blue/red, l auto, manual, histogram - -	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram •	nfrared compensation, d e max alarm, below mi auto, manual, histogram •	listance compensation n alarm, interval alarm auto, manual, histogram •	auto, manual, histogram •	auto, manual, histogram •
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED light	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch	auto, manual, histogram - -	emissivity, iron, rainbow, auto, manual, histogram - - -	reflected temperature, , white hot, black hot, auto, manual, histogram - - - -	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - -	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • •	listance compensation n alarm, interval alarm auto, manual, histogram •	auto, manual, histogram • •	auto, manual, histogram • •
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement information	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite - - smartphone torch max, min, AVG	auto, manual, histogram - - • max, min, center	emissivity, iron, rainbow, auto, manual, histogram - - - - max, min, AVG	reflected temperature, white hot, black hot, auto, manual, histogram - - - - max, min, AVG	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - - - max, min, AVG	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram • • • • • • • • • • •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • • • • • • • • • • •	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • •	auto, manual, histogram • • • • max, min, AVG	auto, manual, histogram • • • max, min, AVG
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recording	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch max, min, AVG •	auto, manual, histogram - - max, min, center	emissivity, iron, rainbow, auto, manual, histogram - - - max, min, AVG	reflected temperature, white hot, black hot, auto, manual, histogram - - - max, min, AVG •	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - - max, min, AVG	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram • • max, min, AVG	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • max, min, AVG	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • max, min, AVG	auto, manual, histogram • • max, min, AVG
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recordingInternal memory storage	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch max, min, AVG • smartphone storage	auto, manual, histogram - - max, min, center - 3,4 GB	emissivity, iron, rainbow, auto, manual, histogram - - - max, min, AVG • 3,4 GB	reflected temperature, white hot, black hot, auto, manual, histogram - - - max, min, AVG • 3,4 GB	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - max, min, AVG • 3,4 GB	atmospheric humidity, ir hot/cold, feather, abov auto, manual, histogram • • max, min, AVG • 3,4 GB	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • max, min, AVG • 3,4 GB	listance compensation n alarm, interval alarm auto, manual, histogram max, min, AVG 3,4 GB	auto, manual, histogram • • max, min, AVG • 3,4 GB	auto, manual, histogram • • max, min, AVG • 3,4 GB
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recordingInternal memory storageOn-camera report building	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch max, min, AVG • smartphone storage	auto, manual, histogram - - max, min, center 3,4 GB text annotation	emissivity, iron, rainbow, auto, manual, histogram - - - max, min, AVG • 3,4 GB text annotation	reflected temperature, white hot, black hot, auto, manual, histogram - - - max, min, AVG • 3,4 GB text annotation	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - - max, min, AVG • 3,4 GB text annotation	atmospheric humidity, in hot/cold, feather, abov auto, manual, histogram • • • • • • • • • • • • • • • • • • •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • • • • • • • • • • • • • • • • • •	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • max, min, AVG • 3,4 GB text annotation, voice annotation	auto, manual, histogram • • • max, min, AVG • 3,4 GB text annotation, voice annotation,
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recordingInternal memory storageOn-camera report buildingCommunication modes	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch max, min, AVG smartphone storage - USB type C	auto, manual, histogram - - max, min, center 3,4 GB text annotation USB type C, Wi-fi, micro SD	emissivity, iron, rainbow, auto, manual, histogram - - - max, min, AVG - 3,4 GB text annotation USB tipo C, Wi-fi, micro SD	reflected temperature, white hot, black hot, auto, manual, histogram - - - max, min, AVG • 3,4 GB text annotation USB tipo C, Wi-fi, micro SD	ambient temperature, brown hot, blue/red, d auto, manual, histogram - - - - - - - - - - - - - - - - - - -	atmospheric humidity, in hot/cold, feather, abov auto, manual, histogram • • • • • • • • • • • • • • • • • • •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • • • • • • • • • • • • • • • • • •	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recordingInternal memory storageOn-camera report buildingCommunication modesDisplay	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite smartphone torch max, min, AVG max, min, AVG smartphone storage USB type C smartphone display	auto, manual, histogram - - max, min, center 3,4 GB text annotation USB type C, Wi-fi, micro SD touch screen	emissivity, iron, rainbow, auto, manual, histogram - - - - max, min, AVG • 3,4 GB text annotation USB tipo C, Wi-fi, micro SD touch screen	reflected temperature, white hot, black hot, auto, manual, histogram - - - - max, min, AVG • 3,4 GB text annotation USB tipo C, Wi-fi, micro SD touch screen	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - - - - - - - - - - - - - - - - - -	atmospheric humidity, in hot/cold, feather, abov auto, manual, histogram • • • • • • • • • • • • • • • • • • •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • • • • • • • • • • • • • • • • • •	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •
Measurement correctionsColor palettesSpan modesLaser pointerLaser distance meterBuilt in LED lightArea measurement informationIR Video recordingInternal memory storageOn-camera report buildingCommunication modesDisplayBattery operation time	- iron, rainbow, white hot, black hot, medical, artic, hot iron, fulgurite - - smartphone torch max, min, AVG • smartphone storage USB type C smartphone display	auto, manual, histogram - - - max, min, center 3,4 GB text annotation USB type C, Wi-fi, micro SD touch screen 3 hours	emissivity, fi iron, rainbow, auto, manual, histogram - - - - - - - - - - - - - - - - - - -	reflected temperature, white hot, black hot, auto, manual, histogram - - - - - - - - - - - - - - - - - - -	ambient temperature, brown hot, blue/red, l auto, manual, histogram - - - - - - - - - - - - - - - - - - -	atmospheric humidity, in hot/cold, feather, abov auto, manual, histogram • • • • • • • • • • • • • • • • • • •	nfrared compensation, d e max alarm, below mi auto, manual, histogram • • • • • • • • • • • • • • • • • • •	listance compensation n alarm, interval alarm auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •	auto, manual, histogram • • • • • • • • • • • • • • • • • • •

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