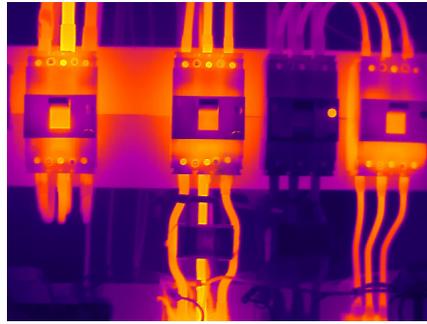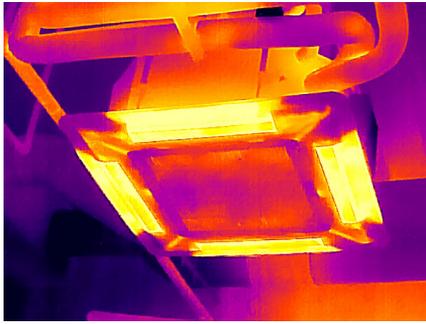# UTi740H+

Handheld Thermal Camera

UNI-T®

The UTi740H+ is equipped with a high-sensitivity infrared detector (<35mK) boasting 400x300 infrared resolution, paired with a 4.3-inch capacitive touchscreen (800×480 pixels) that delivers vivid, detail-rich imaging. Its manual focus ring enables seamless measurement of both near and distant targets. Measurement data can be saved as photos or videos, while Wi-Fi/wired connectivity to APP/PC software facilitates comprehensive data management and analysis—helping you get work done more efficiently.

- High-definition infrared detector (400x300 pixels)
- Manual focus
- 4.3" capacitive touch display screen
- Temperature measurement range from -20℃ to 650℃
- Measurement accuracy up to ±1.5℃/±1.5%
- Super resolution
- Radiometric video record
- Wi-Fi live streaming
- All-round analysis software (PC+APP)

▌Parameter

Model No.	UTi740H+
Technical Data	
Display	4.3" LCD Touch (800×480)
IR resolution(Pixels)	400x300
Super resolution(Pixels)	800x600
Spectral range	8~14μm
Pixel size	12μm
Frame rate	≤30Hz
Thermal sensitivity(NETD)	<35mK
Focus	Manual Focus
Lens focal length	9.5mm
Field of view(FOV)	29°(H) × 21.5°(V)
Spatial resolution(IFOV)	1.26mrad
Temperature measurement range	-20℃ ~ 650℃
Accuracy	0℃~650℃, ±1.5℃ or ±1.5% whichever is greater -10℃~0℃, ±2℃ or ±2% whichever is greater
Functions	
Image modes	Thermal, Visual image, T-Mix fusion, PIP
On screen analyzer	16 Points/16 Lines/16 Rectangles/16 Circles
Isotherm	Auto/Manual/Above/Below/Section
HI/LO temperature alarm	LCD animation & Buzzer
HI/LO temperature tracking	√
Digital camera resolution	5MP
Digital zoom	1x~6x
Video recording	√
Wi-Fi/Wi-Fi live streaming	√
Analysis software	PC+APP
General Characteristics	
Battery	5200mAh detachable Li-ion battery pack (UT-M17)
Operating time	Approx. 4 hours (with Wi-Fi off)
USB	Type-C
Storage	Built-in 32GB & 32GB SD card
Image storage format	Radiometric JPEG
Video storage format	MP4 & UIR(with radiometric data)
Protection	IP54 & 2m drop proof
Certificates	CE, FCC, RoHS
Languages	EN, FR, DE, IT, ES, SV, PL, CS

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