T50|T70

Thermal Imaging Camera

T50|T70 is the latest expert-level thermal imaging camera of ULIRVISION. Product adopts 384×288|640×480 high-pixel aSi microthermal detector, manual & auto integrated lens, 180° rotation, laser assisted focusing, excellent imaging quality, and meets the strict requirements of industrial market for high-end thermal camera.

Features

384×288|640×480 Uncooled detector

Continuous auto focusing | laser assisted focusing

Automatic lens recognition, 180 ° rotation

Infrared | Visible Light | PIP | DSX, multiple image modes

Multiple measure modes: high and low temp auto tracking, line temp measure, isothermal analysis, area temp measure

5" Touch screen, HD viewfinder, clearly visible in the sun

GPS, compass azimuth information is saved with the image

Applications

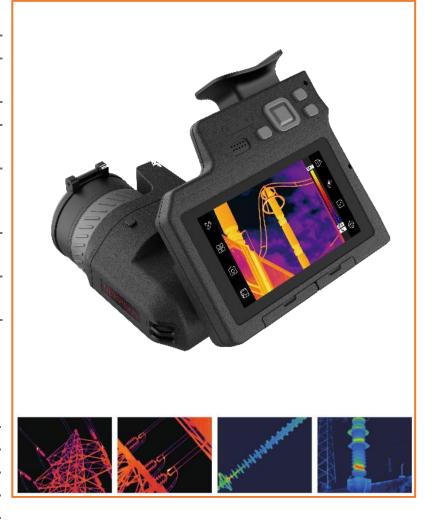
Building Diagnostics

Electrical/Mechanical Inspection

Research & Development

Automation Applications

Preventative & Predictive Maintenance



Technical Specifications

Item	T50	T70
Detector Data		
Туре	Uncooled FPA	
IR resolution	384×288 640×480	
Pixel pitch	17μm	
Spectral range	7.5 ~ 14μm	
NETD/Sensitivity	25mK	
Lens Data		
FOV	24°×18°	
Minimum imaging	0.2	
distance	0.3m	
IFOV	1.13mrad	0.68mrad
Focus	Manual/Motor/Continuous au	tofocus/Laser assisted focusing
Lens recognition	Automatic	
Lens(optional)	48°×36°, 12°×9°	
lens rotation	180° rotation	
Image Performance		
Display	HD 5" touch AMOLED, 1280×720	
Viewfinder	0.5" color OLED display, supporting manual zoom, 1920×1080	
Visual camera	13 megapixel CMOS, autofocus, LED fill light	
Frequency	50Hz/60Hz	
Amplification	1X ~ 35X continuous	
Palette	12 palettes (including iron red, rainbow, black hot and white hot, etc.)	
Brightness	Auto/Manual	
Measurement		
Temperature range	-20 $^{\circ}$ C $^{\sim}$ +600 $^{\circ}$ C(can be extended to 1700 $^{\circ}$ C)	
Measurement accuracy	5° C $^{\sim}$ 150° C, accuracy is $\pm 1^{\circ}$ C or $\pm 1\%$ of reading; for other temperature ranges, the accuracy is $\pm 2^{\circ}$ C or $\pm 2\%$ of reading, take the larger value	
Measurement mode	Real-time 20 movable spots, 10 movable rectangular areas and 10 circular areas	
	(max./min. temp capture, avg. temp measure), 10 movable line temp measure,	
	isothermal analysis, temp difference measure, temp alarm (sound, color)	
Measurement	Auto/Manual	
correction	Auto/ivianuai	
Emissivity correction	Adjustable from 0.01 to 1.0 or selected from list of materials	
Background	Auto (according to the input background temp)	
temperature correction	Auto (according to the input background temp)	
Atmospheric	Auto (according to the input distance, relative humidity, ambient temp)	
transmissivity correction		
Setting function	Date/time, temp un	it °C/°F /K, language
Alarm		
Sound and light alarm	Yes	
Image storage		
Memory card		4G
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Single frame infrared image format Single frame visible image format Text annotation	JPEG, with 14-Bit measured data image JPEG or stored with single frame image	
image format	JPEG or stored with single frame image	
	JPEG or stored with single frame image	
. CAL GITTOLGLIOTI	Support 30 preset text annotations(editable)	
Voice annotation	60s voice record, stored with per image via built-in microphone	
Laser Indicator		
Laser type	Class 2, 1mW, 650nm red	
Laser Ranging	Measuring distance: 0.2m-50m	
Interface		
Power interface	Yes	
SD card slot	Yes	
Video output	HDMI	
Audio output	Yes	
USB	USB TypeC: Data transmission, radiometric video streaming	
WIFI	Yes	
Bluetooth	Yes	
GPS	Yes	
Compass	Yes	
Tripod	1/4" -20	
Power System	· · ·	
Battery type	Lithium battery (rechargeable)	
Battery operating time	4h continuous (room temperature)	
External power	DC: 5V	
Charging type	Two-seater charger or in camera	
Power saving	Yes	
Environment Parameters		
Operating temperature	-20℃ ~ +50℃	
range		
Storage temperature	-40°C ~ +70°C	
range Humidity	< OFW/non condensing)	
Vibration	≤95%(non-condensing)	
Shock	2G(IEC60068-2-6)	
Protection level	25G(IEC60068-2-29)	
Physical data	IP54(IEC60529)	
Size	183mm×160mm×88mm	
Weight	≤1.4kg(with battery and standard lens)	
Packing	~ 1.708/ WITH DUTTELL A UIT STUINGIN IEHS)	
i acking	Thermal imaging camera, 2 lithium batteries, battery charger, adapter, USB cable,	
Standard	SD card, hdmi cable, SD card reader, USB flash drive, warranty card, calibration book, carrying case, user manual	
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Quality assurance		

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