

PT Series HD High-Performance Thermal Camera

The World's First Portable Thermal Camera with MP-level Infrared Resolution







Introduce

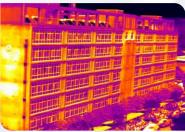
Guide PT Series is the world's first portable thermal camera with MP-level Infrared Resolution. Equipped with the self-developed 1280×1024 IR detector, this camera has the A/M-Focus manual and auto focusing system to provide much more crisp images. Advanced hardware, software and exceptional experience ensure it is the flagship in this industry.

Features and Benefits

- o Up to 1280x1024 IR resolution
- o ContFocus intelligent and continuous autofocus model
- o An optional temperature range to 2500°C for more applications
- Observation of 36µm objects through a macro lens
- o IR video with temperature information at 20 Hz
- o PerIRVision image stitching technology

Application

- o Electric Utilities Inspections
- Oil and Gas Maintenance
- Building Inspections
- o Research and Development





Specifications

	PT650	PT850	PT870
Imaging and optics			
Detector type		VOx	
Infrared resolution	640×512@12μm	1024 × 768@12μm	1280 × 1024@12µm
Super resolution technology	Yes, Upgrade to 1280 × 1024	Yes, Upgrade to 2048 × 1536	Yes, Upgrade to 2560 × 2048
Wavelength range		7.5 to 14µm	
Focal length	17 mm	28 mm	35 mm
Field of view		25°×19°	
FOV	0.71mrad	0.43mrad	0.34mrad
Minimum object distance	017 1111144	0.3m	0.0
D:S	1408:1	2325:1	2941:1
NETD	≤30mK		2541.1
	≪ SUIIIK		MIIK
nfrared frame rate	M 1/A 1 /6	30 Hz / 9 Hz	
Focusing mode		Continuous autofocus / Laser-assisted autofocus / 1	
Digital zoom	1.1x to 40x		to 50x
Shot recognition		Auto	
Measurement and analysis			
Measurement range	Support auto-switching: -40°C to 150°C, 0°C to 650°C, Optional 400°C to 2500°C (High temperature lens is required)	Support auto-switching: -40°C to 150°C, 0°C to 8 lens is	00°C, Optional 400°C to 2500°C (High temperatur required)
Measurement accuracy		±1°C or ±1%, whichever is greater	
Analyzed target	Spot × 30, Line × 30, Area × 30 Spot × 35, Line × 35, Area × 35		
Fracking / Alarm	Full screen maximum, minimum and average temperature tracking; The maximum, minimum and average temperature tracking of analyzed target; full screen temperature threshold alarm (image and voice)		
Isothermals		Available	
Temperature measuring	F 1 1 2 2 1 1 1		
parameters	Emissivity, reflected temperature,	target distance, humidity, atmospheric transmittance	e, optical transmittance, dew point
Image display			
Display screen		5", 1920×1080 pixel touchscreen LCD	
Eyepiece	1, 920 × 1, 080 OLED screen		
Digital camera	Dual visible light, up to 13 MP		ht, up to 16 MP
mage mode	Data Heiste light, up to 10 iii	IR, VIS, MIF, PIP	,,,, ap to 10
Image adjustment	Automatic, semi-automatic, manual		
	White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1, Fulgurite, Medical, Tint, Black Hot, Blue Hot, Sepia, Green Hot, Ice and Fire, Amber,		
Color palettes		Customized	
From a Atlanta			
Functions			
	Ph	noto (image stitching) and video (infrared & visible li	ght)
Shooting		noto (image stitching) and video (infrared & visible li physical button, Intelligent diagnosis, NFC connectio	
Shooting Others			
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