

HotFind-L Series

384x288 resolution and high performance IR camera for universal industrial applications



High frame rate in real time

HOTFIND-L series adopts NTSC(60Hz) or PAL(50Hz) composite video output, the thermal image is taken in real time, and no lagging will be found, which guarantees a complete and vivid thermal image, most importantly, no single detail or problem will be overlooked.

Extendable temperature range

Objects of different temperatures require corresponding temperature ranged infrared cameras, HOTFIND-L series has four temperature ranges, it can be extended from standard +250°C up to +1500°C, which means the HOTFIND-L series can be widely used in various applications.

Four Spot analysis, auto tracking

HOTFIND-L series has four movable spots that can measure four different points in one thermal image at the same time, making it easier for users' comparison. Auto tracking can find the spot with highest or lowest temperature in no time, providing clear instructions.

Various optional lenses

Flexible design of the lens means the HOTFIND-L series can adopt various optional lenses with different FOV. All lenses are field replaceable. With such optional lenses, HOTFIND-L series can provide the users with different thermal images at the same distance and position.



standard package



2.5 inch flip-able LCD

Users can adjust the angle of the LCD for the best observation result. Flip-able design can also provide best protection to the LCD while the camera is not in use.

Bluetooth

Users can add voice annotation to the thermal image via Bluetooth, the voice annotation can be saved with the same thermal image and can be played back with the analysis software, making it easier for post analysis.

USB real time thermal video recording (optional)

HOTFIND-L series can take not only thermal images, but also thermal video with the USB Real time software, thermal video can be transferred to the PC in real time for analysis and playback



Tripod fixer (optional)

HOTFIND-L series can be fixed on a tripod through the fixer. With this feature, the HOTFIND-L series can be used for monitoring purpose. Together with the A/C adapter(optional), the users can use the HOTFIND-L series for long time operation. The tripod fixer can also be used on all HOTFIND series infrared cameras.

Duo-vision technology

With the Duo-vision technology, HotFind-L series can overlap the visual image with the thermal image, making it easier to locate the problem. There are four display modes; users can choose their preference.



Model	HOTFIND-L	HOTFIND-LS	HOTFIND-LXS	HOTFIND-LXT	
Thermal Image and optical data					
FOV/ min. focus distance	24° × 18°/ 0.1m				
Spatial resolution	1.1 mrad				
Thermal sensitivity @ 50/60 Hz	80 mK@30°C				
Detector type	FPA, uncooled microbolometer				
Resolution	384 × 288				
Spectral range	8 ~ 14µm				
Focus	Manual				
Image presentation					
LCD display	2.5" LCD				
Visual image	Built-in digital video, 640x480pixels, full color				
Duo Vision	4 modes				
P.I.P	Yes, 4 display modes				
Video output	NTSC(60Hz) or PAL(50Hz) composite video				
Illuminator	Yes				
Measurement					
Measurement range	Range one	-20°C to +250°C (-4°F to +482°F)	-20°C to +250°C (-4°F to +482°F)	-20°C to +250°C (-4°F to +482°F)	-20°C to +250°C (-4°F to +482°F)
	Range two	-----	+200°C to +600°C (+392°F to +1112°F)	+200°C to +1000°C (+392°F to +1832°F)	+200°C to +1000°C (+392°F to +1832°F)
	Range three	-----	-----	-----	+800°C to +1500°C (+1472°F to +2732°F)
Accuracy	± 2°C, ± 2% of reading				
Measurement mode	Spot analysis up to 4 spots, auto tracking, isotherm analysis, temperature alarm				
Correction	Emissivity, ambient temperature, distance, relative humidity				
Image storage					
Type	Removable Mini SD card, 2G				
File formats - Thermal	SAT format, 14 bit measurement data included				
File formats - Visual	CCD format				
Thermal video recording	With real time software (optional)				
Voice annotation	With Bluetooth (optional)				
Laser pointer					
Type	Class 2, 1mw/ 635 nm red				
Battery system					
Battery	Rechargeable lithium battery				
Battery operation time	≈ 2.5 hours continuous operation				
Power save mode	Yes				
Environment specification					
Operating temperature range	-20°C to +50°C (-4°F to +122°F)				
Storage temperature range	-40°C to +70°C (-40°F to +158°F)				
Humidity	10% to 95%, non-condensing				
Encapsulation	IP 54				
Shock	Operational: 25G				
Vibration	Operational: 2G				
Physical characteristic					
Weight (ex. battery)	600g				
Size (L*W*H)	215 mm × 80mm × 219mm				
Tripod mounting	1/4" - 20				
Interface					
USB	thermal video transfers in real time with software(optional);				
Video output	NTSC(60Hz) or PAL(50Hz) composite video				
Bluetooth	Voice recording and playback (optional)				
External power supply	8-11V 3A DC (optional)				

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