

HD Dual Mode Thermal Camera

THC-51D-HD

The Zistos® HD Dual Mode Thermal Camera combines the benefits of remote thermal imaging and low-light, high-resolution, black & white video into a compact enclosure.

FEATURES

- Rugged, weather-resistant housing
- Built-in covert infrared illumination for the B/W mode
- Instantaneously switch between Thermal and BW video camera
- Built-in microphone and amplifier
- Suited for both tactical and rescue missions
- Small size allows access through 2 inch core holes
- Compatible with only ZistosHD Systems



HD DUAL MODE THERMAL CAMERA

Specifications

PHYSICAL SPECS			
Dimensions	1.95in (d) x 5in (l); 50mm (d) x 127mm (l)	Weight	.65lbs (.30kg)
ENVIRONMENTAL SPECS			
Operating Temperature Range	14° to 113°F (-10° to 45°C)	IP Rating/Submersibility	IP66 (weather resistant, not submersible)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)		
CAMERA SPECS			
Sensor Type	Uncooled VOx Microbolometer (thermal) CMOS CCIQ III Hybrid Camera (BW)	Pixel Size	12µm thermal
Lux	0.02 (BW) @15fps	Sensor Size	1/3.7in BW
Thermal Sensitivity	<50mK	Sensor Resolution	320 (h) x256 (v) thermal; 640 (h) x480 (v) BW
Illumination	6 IR LEDs (in BW mode)	Streaming Resolution	640(h) x 480(v) @30FPS
Lens	8.7mm thermal; 4.3mm BW	LED Wavelength/Power	940nm (invisible)/180 mw/sr
		Field of View - Horizontal	50° thermal & BW
PERFORMANCE SPECS			
Effective Distance in Good Ambient Light	8in to 40ft + (.20cm to 12M+) BW mode	Range to Detect Human Activity	1.5ft to 330ft/.5Mto 100M thermal
Effective Distance in Complete Darkness	8in to 20ft + (.20cm to 6M+) BW mode	Runtime*	7hr in BW mode w/illumination 8hr in thermal mode
ORDERING INFORMATION		DESCRIPTION	
THC-51D-HD		HD Dual Mode Thermal Camera	

*SYSTEM RUNTIME SHOWN IS WITH BAT-15XL; BAT-15 IS HALF OF RUNTIME SHOWN.

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