

## 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, 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
- Radiometrics (temperature gauge and colorization)
- Compatible with only ZistosHD Systems
- Full 30Hz thermal frame rate



HD DUAL MODE THERMAL CAMERA

## Specifications

PHYSICAL SPECS			
<b>Dimensions</b>	1.95in (d) x 6.13in (l); 50mm (d) x 156mm (l)	<b>Weight</b>	.76lbs (.34kg)
ENVIRONMENTAL SPECS			
<b>Operating Temperature Range</b>	14° to 113°F (-10° to 45°C)	<b>IP Rating/Submersibility</b>	IP66 (weather resistant, not submersible)
<b>Storage Temperature Range</b>	-4° to 140°F (-20° to 60°C)		
CAMERA SPECS			
<b>Sensor Type</b>	Uncooled Microbolometer (thermal) CMOS CCIQ III Hybrid Camera (BW)	<b>Pixel Size</b>	12µm thermal
<b>Lux</b>	0.02 (BW) @15fps	<b>Sensor Size</b>	1/3.7in BW
<b>Thermal Sensitivity</b>	<40mK	<b>Sensor Resolution</b>	320 (h) x240 (v) thermal; 640 (h) x480 (v) BW
<b>Illumination</b>	6 IR LEDs (in BW mode)	<b>Streaming Resolution</b>	640(h) x 480(v) @30FPS
<b>Lens</b>	8.7mm thermal; 4.3mm BW	<b>LED Wavelength/Power</b>	940nm (invisible)/180 mw/sr
		<b>Field of View - Horizontal</b>	50° thermal & BW
PERFORMANCE SPECS			
<b>Effective Distance in Good Ambient Light</b>	8in to 40ft + (.20cm to 12M+) BW mode	<b>Range to Detect Human Activity</b>	1.5ft to 330ft/.5Mto 100M thermal
<b>Effective Distance in Complete Darkness</b>	8in to 20ft + (.20cm to 6M+) BW mode	<b>Runtime*</b>	6hr 30 min in BW mode w/illumination 7hr 20min 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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