EXPANDING YOUR VISION
ZISTOS®
PORTABLE VIDEO SYSTEMS

SEARCH
RESCUE
INDUSTRIAL
TACTICAL

THC-51D

Dual Mode Thermal Camera

The Zistos® Dual Mode High Resolution Thermal Camera combines the benefits of remote thermal imaging and low-light, high-resolution, BW video into a compact enclosure.

Features:

- Rugged, weather-resistant housing
- Built-in covert infrared illumination
- Instantaneously switch between Thermal and BW video camera
- Suited for both tactical and rescue missions
- Small size allows access through 2” core holes
- Compatible with all Zistos systems through

VisionFlex®

Supersedes the THC-50D

Export Restrictions: Export of this product is controlled by the US Department of Commerce (DOC), Export Administration Regulations (EAR) Export Classification Code 6A003.b.4.b. See www.bis.doc.gov. US government authorizations may be required for all destinations except Canada depending on location, application, and purchasing entity. Formal end user declarations may be required. Harmonized tariff code: 9027504020. Consult factory for more details.

SPECIFICATIONS

Sensor type	Uncooled VOx microbolometer (thermal) CMOS CCIQ III Hybrid Camera (BW)	**Pixel size** **Sensor size**	12um (thermal) 1/3.7” (BW)
Lux	0.02 (BW) @15 fps	**Resolution**	320x256 pixels (thermal) 320k NTSC (BW)
Thermal sensitivity	<50mK	**Spectral response**	7.5-13.5 mm (filter bandwidth)
Illumination	6 IR LEDs (in BW mode)	**LED wavelength**	940 nm (invisible)
Size	1.8”Dx3.5”L 46mmDx89mmL	**Weight**	0.8 lbs / 0.18 kgs
Operating temp	-10° C to 45° C 14° F to 113° F	**Storage temp**	-30° C to 60° C -22° F to 140° F
IP rating/ submersibility	IP66 (not submersible)	**Runtime***	1hr 15min in BW mode with illumination 1hr 40min in thermal mode
Effective distance in good ambient light	8in to 40ft / 20cm to 12m (BW) +	**Effective distance in complete darkness**	8in to 20ft/20cm to 6m (BW) +
Range to detect human activity	1.5ft to 330ft / .5m to 100m (thermal)		

+ Any ambient lighting significantly increases distance in complete darkness

Lens Specifications	Mode	Lens	Field of View (horizontal FOV)
	Thermal	8.7mm	50°
	BW	4.3mm	50°

*With WalkAbout III and BAT-2.

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Specifications subject to change without prior notice.