



PORTABLE  
VIDEO  
SYSTEMS

# DUAL MODE THERMAL CAMERA

**Zistos' Dual Mode Thermal Camera Combines the Benefits of Remote Thermal Imaging and Low-Light, High-Resolution, B/W Video into a Compact Enclosure.**

### THC-50D Dual Mode Thermal Camera Features:

- ü Ideally Suited for Both Tactical and Rescue Missions Alike
- ü Instantaneously Switch Between Thermal and B/W Video Camera
- ü Variable Intensity IR Illumination When Used in B/W Video Mode
- ü Slim 1.9" Diameter Housing Affords Remote Access Into 2" Core Holes
- ü Attaches to any Zistos Extension Pole for a wide range of 2' to 20' reach
- ü Forward/Backward Compatible with all Forthcoming/Existing Zistos Products

		Thermal Imaging Camera	B/W Video Camera
<b>Core Camera Technology</b>	Material & Structure	Amorphous Silicon Microbolometer (160 x 120 pixel array)	CCD Camera Chip
	Spectral Response	7 – 14 μm (filter bandwidth)	N/A
	Sensitivity	<50 mK	0.005 lux
<b>Thermal System Imaging Performance</b>	Start-Up Time	2.4 sec ±10% @ 25°C	N/A
	Contrast / Brightness	Automatic/Advanced Image Processing	
	Range to Detect Human Activity	Up to 330 feet (100 meters)	
<b>Optics</b>	FOV	5.8 mm focal length 50° horz. x 37° vert.	4.3 mm focal length
	Focus	Fixed	
<b>Overall Physical Characteristics</b>	Size	1.9" Diameter x 6.5" Long	
	Weight	13 ounces	
	Operating Temp.	- 4° to 185° F	
	Storage Temp.	- 40° to 221° F	

THC-50D SPECIFICATIONS

