

MIL-SPEC THERMAL-EYE™
OMEGA 2X50
THERMAL IMAGING CAMERA Sku#TY-N32



- 1: Switch 2: Digital Zoon (Magnification) button
3: Cutover function Button
4: Digital Zoon (Deflation) button
5: Video output Socket 6: External power Socket
7: Eye lens 8: Objective lens
9: handstand strap 10: Video Plug 11: Objective lens cover

Note: The 1/4 tripod port is in bottom of thermal imaging

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The Omega 2x50 Thermal Monocular is a technically-advanced device for observation and perimeter security. The sharp, black Thermal-Eye Omega 2x50 is the new standard in handheld infrared technology. Utilizing a high-resolution thermal detector, it allows users to observe the heat signatures of people and objects in daytime or at night and through smoke, fog or camouflage.

The Thermal-Eye Omega 2x50 have 2x optical magnification plus 2x digital zoom function and video-out capability, it is perfect for use in many applications such as public safety, search and rescue, security and wild land /exterior fire fighting, the Omega 2x50 is a powerful tool for military, police, and security professionals.

Product features including:

- High resolution digital thermal imaging
- Durable housing
- Small ,Lightweight ,Hand Held Monocular
- Fixed, Tripod-mount, Remote Video Capable.
- High Quality Germanium lenses
- 2x optical magnification plus 2x digital zoom
- More than 1200 m detection human range
- waterproof ,shockproof and working at $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Video output
- USB Serial Communications Port
- Video/Image polarity selection, white-hot or black-hot

MIL-SPEC THERMAL-EYE™ OMEGA 2X50 THERMAL IMAGING CAMERA

Sku#TY-N32 Specification

Model	TY-N32
Optical Magnification, x	2x
Digital Zoom, x	2x
Lens Diameter ,mm	50 mm / F 0.8
Field of view, degree	16° x 12°
Focus Range ,meters	1m~∞
Focus Method	Electric Motor
Eye focal length (mm)	35 mm x 35mm
Detection Range, meters	≥1200/1700m @ man / car sized target
Recognition Range, meters	≥600/1000m @ man / car sized target
Material & Structure (UFPA)	320 x 240 pixel array
NETD	<0.1℃
Spectral Response	7~14um
Output Format	NTSC or PAL Compatible (RCA jack)
Monocular Viewfinder	Monochrome (black & white)
External power	DC6.9 ~12.6V or LD18650 3.7V X 2
Internal power	Built-in rechargeable lithium batteries LD18650 (3.7V X 2) (2000MA/h)
Continuous Operating Time, hour	>5 hours with supplied battery
Power	≤4W@25℃
Water & Shock Resistance	waterproof shockproof
Tripod Mount, inch	1/4
Operating/Storage Temperature, ° C	-40℃ ~ +60℃ /-50℃ ~ +70℃
Dimensions, mm	240 x 107 x 108
Weight (kg)	1.5

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