



X640

Compact Thermal Imager

EO Tech X640 – Ruggedized Ultra Compact Thermal Imager with 640 x 480 resolution and advanced features!



BENEFITS

- Simple one-button operation
- Greater scene detail with VGA 640 x 480 resolution
- Video port for simultaneous recording
- Covert operation with fully dimmable microdisplay
- Stows easily into pocket for quick extraction and agile operation in the field and on the run
- Customize camera features with provided user interface software

FEATURES

- 30 Hz frame rate
- Detect human activity up to 800 yds away (25mm) or up to 1100 yds away (35mm)
- 2x- 10x programmable e-zoom
- White hot, black hot and 3 color modes
- Temperature measurement & cross hair enabled via supplied software CD
- Survives accidental drops and submersion
- Pocket-sized, weighing only 13 ounces (369 grams)
- Up to 5 hours runtime with two user-replaceable AA lithium batteries*
- Rugged design with integral rubber eye cup - 3-Year Warranty
- Tripod mount (1/4 - 20 thread)



Camera Kit Includes

- USB Cable
- User Interface Software
- Lens Cloth
- Neck/Wrist Straps
- User Manual
- AA Batteries*



COVERT SURVEILLANCE
 CRIME SCENE INVESTIGATION
 SEARCH & RESCUE
 MECHANICAL INSPECTION



ELECTRICAL INSPECTION
 FUGITIVE PURSUIT
 OUTDOOR RECREATION
 FARMING/RANCHING



HUNTING
 GAME RECOVERY
 PRE-SEASON SCOUTING
 ANTI-POACHING

*Compatible with AA alkaline batteries, but improved performance can be obtained with lithium-style batteries.



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X640 TECHNICAL SPECIFICATIONS		
FEATURES		X640
FOCAL PLANE ARRAY	MATERIAL & STRUCTURE	Amorphous Silicon Microbolometer
	PIXEL COUNT (RESOLUTION)	640 x 480 pixels
	SPECTRAL RESPONSE	7 to 14 μ m (filter bandwidth)
	THERMAL SENSITIVITY	\leq 50 mK
THERMAL IMAGING PERFORMANCE	START-UP TIME	5 seconds (includes 2-second display of start-up logo)
	BRIGHTNESS/CONTRAST	Fully automatic
	RANGE TO DETECT HUMAN ACTIVITY	Up to 800 yards (25mm), Up to 1100 yards (35mm)
	E-ZOOM	2X - 10X programmable e-zoom
	INFRARED POLARITY	White hot, black hot, detection palettes and custom color modes
OPTICS	FOV (H x V)	24° x 18° (25mm) and 18° x 13.5° (35mm)
	FOCAL LENGTH (MM)	25 and 35 mm options
	MINIMUM FOCUS DISTANCE	3 ft. (1 m)
VIDEO	OUTPUT FORMAT	Simultaneous NTSC output available on rear outlet jack
	VIEWFINDER DISPLAY	Color LCD (640 x 480 pixels)
	VIEWFINDER DIMMING	Integral to power on/off switch
POWER	POWER SOURCE	2 AA batteries (lithium recommended)*
	OPERATING TIME	5 hours with lithium at room temperature
	AUXILIARY POWER	12 VDC input on rear outlet jack
ENVIRONMENTAL CHARACTERISTICS	OPERATING TEMPERATURE	-4 °F to 140 °F (-20 °C to 60 °C)
	STORAGE TEMPERATURE	-4 °F to 176 °F (-20 °C to 80 °C)
	WATER & SHOCK RESISTANCE	Water-resistant to 3 ft. (1 m) submersion (IP67), buoyant. Shock-resistant (MIL-STD-810G, Method 516.6).
	EMC COMPLIANCE	FCC Part 15 & CE Mark
PHYSICAL CHARACTERISTICS	SIZE	5 1/2" L x 4 1/2" W x 2" H (14 x 11.4 x 5.1 cm) (Both Models)
	WEIGHT	13 oz (369 g) for 25mm lens; 14 oz (397g) for 35mm lens, batteries installed
	EYE CUP	Integral to camera body
ORDERING INFORMATION	CAMERA PART NUMBERS	30 Hz - 24° Camera - 5002330-1 30 Hz - 18° Camera - 5002331-1
CAMERA FEATURES	<ul style="list-style-type: none"> - White hot, black hot, detection palettes and custom color modes - On-screen battery level indicator - Left- or right-hand operation with rugged slip-resistant grip - 1/4 - 20 tripod mount 	<ul style="list-style-type: none"> - Tactile battery loading feature for stealth nighttime operation - External power input and video output jacks - Long eye-relief viewfinder for use with glasses, face shields, masks, etc. - Push-button control to activate feature set
STANDARD EQUIPMENT	<ul style="list-style-type: none"> - 2 AA lithium batteries - Neck strap & wrist strap - Lens cover 	<ul style="list-style-type: none"> - Lens cleaning cloth - USB cable - Interface software CD
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> - MOLLE-Compatible soft pouch - 5002070 - DVR cable 5002024 	<ul style="list-style-type: none"> - BNC video cable - 5002068 - A/C power adapter - 5002067

Specifications subject to change without notice.

X640 Rev. C June 2015

L-3 EOTech is ISO 9001:2000 certified.

This material consists of L-3 Warrior Systems general product information that does not contain controlled technical data as defined within the International Traffic in Arms (ITAR) Part 120.10 or Export Administration Regulations (EAR) Part 734.7-11.

1201 E. Ellsworth Road, Ann Arbor, MI 48108

Optional Equipment Example:



2X AFocal sold separately

