



# X640

## Compact Thermal Imager

EOTech 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

- 17Micron, 30 Hz frame rate
- Detect human activity up to 1,100 yards away
- 2x, 3x or 4x zoom
- White hot, black hot and three custom color modes
- Temperature measurement and cross hair enabled via supplied software CD
- Survives accidental drops and submersion
- Pocket-sized, weighing only 13 ounces (381 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 μm (filter bandwidth)
	THERMAL SENSITIVITY	≤ 40 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 1100 yards
	E-ZOOM	2X, 3X or 4X e-zoom as default on power push button
	INFRARED POLARITY	White hot, black hot, detection palettes and custom color modes
OPTICS	FOV (H x V)	24° to 18° (25mm) and 18° to 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
	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	Waterproof to 3 ft. (1 m) submersion, buoyant. Shockproof (MIL-STD-810G, Method 516.6).
	EMC COMPLIANCE	FCC Part 15 & CE Mark
PHYSICAL CHARACTERISTICS	SIZE (Both Models)	5 1/4" L x 4 1/2" W x 2" H (13.4 x 11.4 x 5.1 cm)
	WEIGHT	13 oz (381 g), 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"> <li>White hot, black hot, detection palettes and custom color modes</li> <li>On-screen battery level indicator</li> <li>Left- or right-hand operation with rugged slip-resistant grip</li> <li>1/4 - 20 tripod mount</li> </ul>	<ul style="list-style-type: none"> <li>Tactile battery loading feature for stealth nighttime operation</li> <li>External power input and video output jacks</li> <li>Long eye-relief viewfinder for use with glasses, face shields, masks, etc.</li> <li>Push-button control to activate feature set</li> </ul>
STANDARD EQUIPMENT	<ul style="list-style-type: none"> <li>2 AA lithium batteries</li> <li>Neck strap &amp; wrist strap</li> <li>Lens cover</li> </ul>	<ul style="list-style-type: none"> <li>Lens cleaning cloth</li> <li>USB cable</li> <li>Interface software CD</li> </ul>
OPTIONAL EQUIPMENT	<ul style="list-style-type: none"> <li>MOLLE-Compatible soft pouch - 5002070</li> <li>DVR cable 5002024</li> </ul>	<ul style="list-style-type: none"> <li>BNC video cable - 5002068</li> <li>A/C power adapter - 5002067</li> </ul>

Specifications subject to change without notice.

L-3 EOTech is ISO 9001:2000 certified.

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Optional Equipment Example:



2X AFocal sold separately



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