

X100xp

The Thermal-Eye X100xp sets the standard for small, lightweight thermal imaging cameras. It is designed to be pocket-sized, rugged and durable. Battle-tested in Operation Iraqi Freedom, the X100xp is perfect for public safety, military and security operations.



Criminal hiding under stairs



Applications:

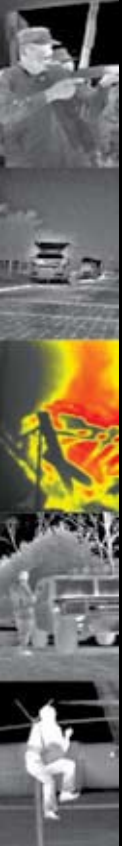
- Target detection
- Force protection
- Routine patrols
- Search and rescue
- Disturbed surface
- Covert surveillance
- Fugitive pursuit
- Soldier and officer safety

Benefits:

- Most affordable handheld thermal imager available
- Unaffected by bright lights, glare or shadows like traditional night vision technology
- Simple to use and operate, with covert eye cup and variable display brightness
- Improves vision in challenging field conditions like dust, smoke and complete darkness
- Stows easily into pocket for quick extraction in the field and on the run

Features:

- Developed with advanced amorphous silicon microbolometer technology
- Rugged design with integral rubber eye cup can survive accidental drops and underwater submersion to 9 feet
- Pocket-sized, weighing only 13 ounces
- Detects human activity from over 300 meters away
- Operates for 3 hours on 2 commercial AA alkaline batteries



Auto theft technology comparison

X100 xp TECHNICAL SPECIFICATIONS:

FEATURES		THERMA L-EYE X100xp
Focal Plane Array	Material & Structure	Amorphous Silicon Microbolometer
	Pixel Count (Resolution)	160 x 120
	Spectral Response	7-14 μm (filter bandwidth)
	Thermal Sensitivity	≤ 100 mK
Thermal Imaging Performance	Start-up Time	~ 5 seconds
	Brightness/Contrast	Fully automatic
	Range to Detect Human Activity	Up to 1000 feet (305 meters)
	Susceptibility to Blinding Visible Light	None
	Infrared Polarity	White = Hot, Black = Cold
Optics	FOV (H x V)	$17^\circ \times 12^\circ$
	Focal Length (mm)	25mm
	Minimum Focus Distance	~ 3 feet (1 meter)
Video	Output Format	Analog: SMPTE-170 (cf. NTSC monochrome) on rear outlet jack
	Viewfinder Display	Monochrome LCD (320 x 240 pixels)
	Viewfinder Dimming	Integral to power on/off switch
Power	Power Source	2 AA batteries
	Operating Time	~ 3 hours with alkaline ~ 7 hours with lithium [77°F (25°C), night-time operation]
	Auxiliary Power	9 to 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 9 feet (3 meters) submersion, buoyant in fresh water Shockproof to 6 feet (2 meters) drop
	EMC Compliance	FCC Part 15 & CE Mark
Physical Characteristics	Size	5 1/4" L x 4 1/2" W x 2" H (13.4 x 11.4 x 5.1 cm)
	Weight	13 oz. (381g), batteries installed
	Eye Cup	Integral to camera body with 2" eye relief
Ordering Information	Camera Part Number	6302-1
Camera Features		<ul style="list-style-type: none"> • Enhanced DSP image processing • On-screen battery level indicator • Left- or right-hand operation with rugged slip-resistant grip • Tactile battery loading feature for stealth nighttime operation • Sealed cover for enclosing external video and power jacks • Long eye-relief viewfinder for use with glasses, face shield, masks, etc. • 1/4-20 tripod mount
Standard Equipment		<ul style="list-style-type: none"> • Hard protective case • 2 AA alkaline batteries • Neck strap & wrist strap • Lens cover • Lens cleaning cloth

Specifications subject to change without notice

