

# X100xp TECHNICAL SPECIFICATIONS:

FEATURES		THERMAL-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 sec
	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° x 12°
	Focal Length (mm)	25 mm
	Minimum Focus Distance	~ 3 ft. (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 9ft (3m) submersion, buoyant in fresh water Shockproof to 6 ft (2m) 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"> <li>• Enhanced DSP image processing</li> <li>• On-screen battery level indicator</li> <li>• Left or right hand operation with rugged slip-resistant grip</li> <li>• Tactile battery loading feature for stealth nighttime operation</li> <li>• Sealed cover for enclosing external video and power jacks</li> <li>• Long eye-relief viewfinder for use with glasses, face shield, masks, etc.</li> <li>• 1/4-20 tripod mount</li> </ul>
Standard Equipment		<ul style="list-style-type: none"> <li>• Hard protective case</li> <li>• 2 AA alkaline batteries</li> <li>• Neck strap &amp; wrist strap</li> <li>• Lens cover</li> <li>• Lens cleaning cloth</li> </ul>

Specifications subject to change without notice

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