



INFRARED, INC.

Thermal-Eye X200xp

The next generation of the world's smallest dual-use thermal imaging camera, the Thermal-Eye X200xp incorporates the industry's leading imaging technology and offers unmatched value at an affordable price.



With natural light

With Thermal-Eye

Soldiers seen through smoke

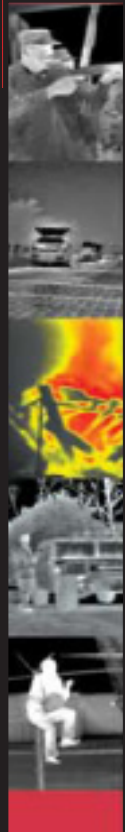


Applications:

- Target Detection
- Force Protection
- Routine patrol
- Search and rescue
- Disturbed surface
- Covert surveillance
- Fugitive pursuit
- Soldier and officer safety

Benefits:

- Greater scene detail with improved clarity, sharpness and overall image quality
- Improved vision in challenging field conditions like dust, smoke and complete darkness with no blooming from lights
- Fully dimmable display minimizes night blindness
- Stows easily into pocket for quick extraction and covert operations in the field and on the run

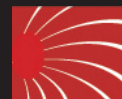


Terrorists Hiding in the woods

Features:

- 30 hertz 30µm detector offers fast turn-on time and real-time video image
- 50% greater stand-off range than X100 predecessor to detect human activity from up to 450 meters away
- Sophisticated image processing for best-in-class image quality
- Rugged design with integral rubber eye cup can survive accidental drops and underwater submersion to 9 feet
- Pocket-sized, weighting only 13 ounces
- Operates on 2 AA lithium or alkaline batteries

See the Unseen



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X200xp TECHNICAL SPECIFICATION:

FEATURES		THERMAL-EYE™ X200xp
FOCAL PLANE ARRAY	Material & Structure	Amorphous Silicon Microbolometer
	Pixel Count (Resolution)	160 X 120
	Spectral Response	7-14 μm (filter bandwidth)
	Thermal Sensitivity	≤50 mK
Thermal Imaging Performance	Start-up time	~ 4 sec (includes 2 sec display of start-up logo)
	Contrast / Brightness	Fully Automatic
	Range to Detect Human Activity	Up to 1500 Feet (450 meters)
	Susceptibility to Blinding Visible Light	None
	Infrared Polarity	White = Hot, Black = Cold
Optics	FOV (H x V)	11° x 8°
	Focal Length (mm)	25 mm
	Minimum Focus Distance	~ 3 ft. (1 meter)
Video	Output Format	Analog: NTSC or PAL 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	~ 2.5 Hours with alkaline ~ 6 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 9ft (3m) submersion, buoyant in fresh water Shockproof to 6ft (2m) drop
	EMC Compliance	FCC Part 15 & CE Mark
Physical Characteristics	Size	5 1/4" L x 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	NTSC: 7070410-0001 PAL: 7070410-0003
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 • External power input and video output jacks • Long eye-relief viewfinder for use with glasses, face shield, masks, etc. • ¼-20 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

