

MORO VISION NIGHT VISION

LIGHT THE NIGHT™

THERMAL-EYE™ X200xp – Thermal Imaging Camera

Thermal-Eye™ X200xp Camera. The Thermal-Eye™ X200xp has advanced significantly beyond its X100xp predecessor, which has performed with accolades in both Afghanistan and Iraq. This new unit offers 50% greater stand-off-range than the previous generation's unit and can detect human activity at up to 450 meters/1,500 feet (about the length of four football fields). The X200xp also has improved image processing for best-in-class image quality. The unit's sophisticated image processing provides greater scene detail and improved clarity and sharpness. The advanced technology also offers improved vision in challenging field conditions like dust, smoke and complete darkness, all while preventing a blooming effect from nearby lights common in image intensification cameras. The 30-hertz, 30- μ m detector ensures not only a fast turn-on time, but also real-time video imaging.



Features and Benefits:

- Enhanced DSP image processing
- On-screen battery level indicator
- Left or right hand operation with slip resistant grip
- Tactile battery loading feature
- Sealed cover for enclosing video and power jacks
- External power input and video output jacks
- Long eye relief viewfinder for use with glasses, face shield, masks, etc.
- 1/4-20 tripod mount

Standard Equipment Includes:

- Thermal-Eye™ X200xp Thermal Imaging Camera
- Hard Protective Case
- 2 AA alkaline batteries
- Neck strap & wrist strap
- Lens cover
- Lens cleaning cloth
- Operator's Manual

Product Benefits:

- Provides an officer the ultimate safety and security solution
- Provide an incredibly clear picture of the surrounding scene, up to 1500 feet, through the use of superior imaging software
- 30 hertz 30 μ m detector offers fast turn-on time and real-time video image
- 50% greater stand-off range than X100 predecessor to detect human activity at up to 450 meters away
- Sophisticated image processing for best-in-class image quality
- Rugged design with integral rubber eyecup can survive accidental drops and underwater submersion to 9 feet
- Pocket-sized, weighing only 13 ounces
- Operates on 2 AA lithium batteries



Morovision Night Vision

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<http://www.morovision.com/>



THERMAL-EYE™
AUTHORIZED DISTRIBUTOR

Thermal-Eye™ X200xp Product Specifications

Infrared Focal Plane Array	Type & Material	Amorphous Silicon Microbolometer
	Pixel Count (Resolution)	160 x 120
	Spectral Response	7-14 μ m (filter bandwidth)
	Thermal Sensitivity	\leq 50 mK
Thermal Imaging Performance	Startup Time	~ 4 sec. (includes 2 sec. display of start-up logo)
	Detection Range for Human Activity	Up to 1500 Feet (450 meters)
	Contrast / Brightness	Fully Automatic
	Susceptibility to Blinding Visible Light	None
	Infrared Polarity	White = Hot, Black = Cold
Optics	Lens Focal Length	25mm
	Field of View	11° x 8°
	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)
	Viewfinder Dimming	Integral to power on/off switch
Power	Power Source	Two (2) AA batteries
	Operating Time	~ 2 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 9 feet (3m) submersion, buoyant in fresh water Shockproof to 6 feet (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

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EXPORT NOTICE:

Export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130

This data sheet is approved for unlimited release.

Specifications subject to change without notice.