

THERMAL-EYE™ X-50 – Thermal Imaging Camera

The Thermal-Eye™ X-50 sets the standard for affordable, small, lightweight thermal imaging cameras. This powerful, compact camera is a pocket-sized, rugged and durable. Because criminals cant' hide their heat, this camera is the perfect partner in fighting crime. It detects heat signature - up to 1,000 feet away - in total darkness or when vision is compromised by smoke, bright lights, glare and shadows. So hiding criminals are quickly located, exposed and apprehended. Priced right for your budget, your operation cannot afford to protect and serve without it.

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.
- Sealed cover for enclosing video and power jacks
- Operates for 2 hours on 2 commercial AA alkaline batteries.

Benefits:

- Greatly enhances vision at night or in challenging dust and smoke conditions
- Operates with no light and without the blooming effect experienced by other night vision technologies
- Remain covert while still being able to see your target
- Saves money, time and lives with the ability to see quickly and operate more efficiently and safely.



PART #: RCP-1000380-0001

Applications:

- Covertly Finding and Locating Objects Without Visible Light
- First Responder Land & Water Search & Rescue
- Fugitive Pursuit and Apprehension
- Officer Safety and Protection
- Hot Spot and Disturbed Surface Detection
- Routine Crime Watch Patrols
- Crime Scene Investigations
- Night Vehicle Theft Prevention
- Provide an incredibly clear picture of the surrounding scene, up to 1000 feet, through the use of superior imaging software
- Monitor suspects without their knowledge, day or night
- Easily spot a fugitive hiding in thick foliage or under a vehicle

MOROVISION NIGHT VISION, INC.
23382 Mill Creek Drive, Suite D-115
Laguna Hills, CA 92653

By Phone: Toll Free 1-800-424-8222 or 949-581-9988
By Fax: 949-581-1133
Email: info@morovision.com
Website: <http://www.morovision.com>

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This data sheet is approved for unlimited release. Specifications subject to change without notice.

SPECIFICATIONS: THERMAL-EYE™ X-50

Infrared Focal Plane Array	Type & Material	Amorphous Silicon Microbolometer
	Pixel Count (Resolution)	100 x 80
	Spectral Response	7-14 μ m
	Thermal Sensivity	\leq 150 mK
Thermal Imaging Performance	Startup Time	~ 5 sec
	Detection Range for Human Activity	Up to 1000 Feet (305 meters)
	Contrast / Brightness	Fully Automatic
	Susceptibility to Blinding Visible Light	None
	Infrared Polarity	White = Hot, Black = Cold
Optics	Lens Focal Length	16mm
	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 pixels)
	Viewfinder Dimming	Integral to power on/off switch
Power	Power Source	Two (2) AA batteries
	Operating Time	~ 2 Hours with alkaline ~5 Hours with lithium [77°F (25°C), night-time operation]
	Auxiliary Power	9 to 12 VDC input on rear outlet jack
Environmental	Operating Temperature	-14°F to 122°F (-10°C to 50°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
	IP Rating	IP-6x
	EMC Compliance	FCC Part 15 & CE Mark
Physical	Size	5.25" L x 4.50" W x 2.0" 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
	Mounting	1/4-20 Tripod Mount

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