

MORO VISION NIGHT VISION

LIGHT THE NIGHT™

THERMAL-EYE™ 5000xp – Thermal Imaging Camera

Thermal-Eye™ 5000xp Camera. Featuring BST detector technology, L-3 Communications Infrared Products has upgraded the popular Thermal-Eye™ 4000 Series product with a higher quality, larger format 320x240 Focal Plane Array. People, vehicles, boats and other objects easily stand out from their surrounding environment, making it easy to quickly spot potential criminal activity or safety hazards. The camera can detect human activity up to 1500 feet and is NTSC compatible. The Thermal-Eye™ 5000xp Series is intended for use in recreational boating, law enforcement, security, and search/rescue operations. This rugged thermal imaging system is easily roof-mounted on any vehicle and offers 360° pan and tilt monitor or mobile data terminal inside the vehicle. The weatherized marine version is designed to withstand the rigors of marine applications.

Features and Benefits:

- Industry-leading Barium Strontium Titanate (BST) detector technology (320 x 240 pixel array).
- Rugged, weather resistant Pan/Tilt housing. Enhanced 24° x 18° FOV, f/1.0 lens. Joystick controlled –360 degrees continuous pan. -20 degree/+180 degree tilt.
- Easily roof-mounted on any vehicle or marine craft.
- Video out for remote monitor or VCR.
- Operating Temperature -40°C to 55°C.
- immunity to damage from solar radiation

Standard Equipment Includes:

- Thermal Camera with 24° x 18° FOV
- Pan/Tilt Housing
- Joystick/Controller
- Electronics Box
- Cabling set
- Operator's Manual



Product Benefits:

- Provides 360° pan/tilt capability to monitor surrounding environment
- Observes suspicious activity from the safety of the vehicle or boat
- Monitors full perimeter in darkness, weather and over long distances
- Spots potential criminal activity or safety hazards in complete darkness
- Detects human activity up to 1500 feet away

Thermal-Eye™ 5000xp Options

Vehicle Mount Package: Thermal Camera, Pan/Tilt Housing, Joystick Controller, Electronics Box, Cable Set, Operator Manual, One Year Parts/Labor Warranty, Standard Color is Black

Marine Mount Package: Weatherized to withstand harsh marine conditions. Thermal Camera, Pan/Tilt Housing, Joystick Controller, Electronics Box, Cable Set, Operator Manual, One Year Parts/Labor Warranty. Standard Color is Black.

Roof Bar/Rack: Vehicle Roof Bar Rack. Allows for installation of the 5000xp to the top of the vehicle.

Riser Kit: Attaches directly to vehicle roof and raises the Roof Bar/Rack up from the vehicle roof.

Strap Kit: secures the Roof Bar/ Riser Kit to the side gutters of the vehicle roof if needed.

Morovision Night Vision

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



THERMAL-EYE™
AUTHORIZED DISTRIBUTOR

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Thermal-Eye™ 5000xp Product Specifications

Infrared Focal Plane Array	Type & Material	Uncooled Ferroelectric, Barium Strontium Titanate (BST)
	Pixel Count (Resolution)	320 x 240 / 48.5 µm
	Spectral Response	7-14 µm
	Window Type	Silicon with durable hard carbon exterior coating
Thermal Imaging Performance	Startup Time	~ 45 sec
	Detection Range for Human Activity	Up to 1500ft (450m) - Depends on object size and contrast
	Contrast / Brightness	Fully Automatic
Optics	Field of View	24° x 18° (f/1.0)
	Minimum Focus Distance	~ 25ft (8m)
	Focus Method	Fixed (Compensated automatically for temperature variations
	Aperture	f/1.0
Video	Output Format	NTSC Compatible
	IR Polarity	White Hot
Power	Input Voltage	9.5 to 16 VDC
Environmental Characteristics	Operating Temperature	-40°C to 55°C
	Pan & Tilt Function	Pan / Joystick Controlled, 360° continuous - Tilt / Joystick Controlled -20° to +180°
	Water & Shock Resistance	Carwash spray, (Not submersible) - IEC level IPX6
	EMC Compliance	FCC Part 15 Compliant
	Pan Speed / Control	36° per second (max) / Single-speed control
	Mounting Provisions - See Options Above	Vehicle Mount, Marine Mount, Roof Rack

MOROVISION NIGHT VISION, INC.

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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.