



THERMAL-EYE™

A safer world

Thermal imaging systems are designed and manufactured by Raytheon Infrared for applications in public safety, fire and rescue, industrial, security and transportation. Having pioneered infrared technology decades ago, our products continue to increase the safety of our neighborhoods, help rescue victims of accidents, monitor business facilities and assets and improve the safety of nighttime driving. In fact, with so many positive applications, in so many areas of life, Raytheon Infrared keeps us all just a little bit safer. And when you stop to think about it, can any of us afford anything less?

Raytheon Commercial Infrared
 13532 N. Central Expressway
 MS37
 Dallas, Texas 75243
 972.344.4000 1.800.990.3275
 www.raytheoninfrared.com



THERMAL-EYE™
4000B



THERMAL-EYE™
4000M

The ultimate vision advantage for public safety vehicles and marine craft has arrived. Increase officer safety, protect the community and prevent criminal activity, all with the power of Raytheon thermal imaging. The Thermal-Eye 4000B is a vehicle-mounted thermal imaging camera system, developed specifically for use by public safety departments, law enforcement agencies and security professionals. This rugged thermal imaging camera is easily roof-mounted on any vehicle and offers 360° pan and tilt monitor or mobile data terminal inside the vehicle. The 4000B can also be used in a fixed mount configuration to survey a perimeter.

Also available, the Thermal-Eye 4000M is the weatherized marine version of the 4000B. With the same feature set as the 4000B, the Thermal-Eye 4000M is specifically designed to withstand the rigors of marine applications such as search and rescue, pollutant detection and more. Unaffected by light rain, snow or darkness, both the 4000B and 4000M provide a true infrared image without the use of intrusive lighting.



- Fugitive search
- Nighttime navigation
- Routine nighttime patrol
- Search and rescue
- Area sweeps
- Border patrol

Featuring Raytheon BST detector technology, the 4000B and 4000M offer users a clear, crisp image. People, vehicles, boats and other objects easily stand out from their surrounding environment, making it easy to spot potential criminal activity in seconds. The camera can detect human activity up to 1500 feet and is NTSC compatible. The joystick and monitor easily configure into any vehicle interior systems.

Benefits

- Provide the powerful advantage of sight in the dark
- Detect unauthorized or unwanted intruders
- Monitor perimeters of restricted facilities, night or day
- Quickly scan between homes, buildings, dark garages, alleys or even under vehicles
- Identify lost boaters or stray objects on the water
- Observe prowlers and criminals without their knowledge



4000B/M-LE-0104

See the Unseen™

Raytheon



THERMAL-EYE™

		Thermal-Eye™ 4000B	Thermal-Eye™ 4000M
Focal Plane Array	Type & Material	Uncooled Ferroelectric	
	Pixel Count	160 x 120	
	Spectral Response	7-14 μm	
Thermal Imaging Performance	Start-up Time	~ 45 sec	
	Contrast / Brightness	Automatic	
	Detection Range for Human Activity	Up to 1500ft (457m)	
Optics	Minimum Focus Distance	~ 25 ft (8m)	
	Focus Method	Automatic	
	Field of View	(12°x9°)	
Video	Output Format	NTSC Compatible	NTSC or PAL Compatible
	IR Polarity	White Hot – Black Cold	
Power	Input Voltage	9.5 to 16 VDC	
Physical Characteristics	Size with 18mm lens	11.1" L x 11"W x 11.4"H (282 x 280 x 290mm)	
	Weight with 18mm lens	10 lbs. (4.5 kg)	
	Mounting Provisions	Mobile Mount or Stationary Mount	
Environmental	Operating Temp	-40C to 55C	
	Water Resistance	Carwash spray, (Not submersible)	IEC level IPX6 (Not submersible)
	Pan and Tilt Function	Pan / Joystick Controlled, 360 degrees continuous Tilt / Joystick Controlled -20 to +180 degrees	
	EMC Compliance	FCC Part 15 & CE Mark	
4000B Ordering Information	Thermal-Eye™ 4000B		Thermal-Eye™ 4000M
	With Camera, Electronics Module, Mounting Ring, Hand Controller and Cable set		With Camera, Electronics Module, Mounting Ring, Hand Controller and Cable set
	NTSC 3264500-1		NTSC 4973500-1
Optional Accessories	N/A		Marine Dual Remote Kit 4973527-1
	Monitor Kit (5.6" Flat Panel w/ shroud, swivel mount, BNC/RCA adapters)	3197573-4	
	Vehicle Roof Mounting Bar	3264568-2 (Black) 3264568-1 (White)	
All specifications are subject to change without notice			
			4000b/4000m RevB Jan 04