



**THERMAL-EYE™**



**THERMAL-EYE™  
250D**



**THERMAL-EYE™  
225D**

## 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?

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Ensuring the safety of the community has just gotten a little easier. In today's volatile environment, the power of sight can mean the difference between catching a fugitive or saving a life. The Thermal-Eye 250D handheld thermal imaging camera is the industry standard for public safety departments, law enforcement agencies and security professionals. The tried and true 225D and 250D each have a long history of providing officers with the advantage of infrared technology for everyday operations. Officers can now See the Unseen™, even in the darkest of nights or in poor weather. Suddenly, night is turned into day.

Offering the longest viewing range in its class, the 250D is able to detect human activity as far away as 3000 feet and features 2X zoom. Both the 225D and 250D are designed with BST detector technology, the gold standard in the world of thermal imaging, which provides the sharpest and crispest images available in the market today.



- Search and rescue
- Border patrol
- Wildland and exterior firefighting
- Area and building sweeps
- Covert surveillance
- Fugitive pursuit

The Thermal-Eye 225S and 250D are designed to fit the specific needs of law enforcement professionals and are powered by a standard rechargeable camcorder battery. Video output and recording is available through an RCA jack. Add Raytheon thermal imaging to your arsenal of crime fighting technology today and see the incredible difference thermal can make.

### Benefits

- Greatly enhance an officer's vision and improve overall effectiveness on the job
- Free up the number of officers required for an operation
- Improve officer safety
- Allow officers to go undetected, as they search and survey the scene, unnoticed and out of harm's way
- Provide the powerful advantage of sight in the dark, while monitoring criminals without their knowledge

**Without Thermal-Eye**



**With Thermal-Eye**



**See the Unseen™**

**Raytheon**

		Thermal-Eye™ 225 Digital	Thermal-Eye™ 250 Digital				
Focal Plane Array (FPA)	Type & Material	Uncooled Ferroelectric					
	Pixel Count	160 x 120	320 x 240				
	Spectral Response	7-14 μm					
Thermal Imaging Performance	Detection Range for Human Activity	Up to 1500 Feet (457 meters)	Up to 3000 Feet (915 meters) w/ standard 75mm lens]				
	Contrast / Brightness & pixel processing	Automatic Gain/Level Control	Automatic & Manual Gain/Level control with advanced image processing features				
Optics	Lens Focal Length	37mm	25mm	50mm	75mm	100mm	150mm
	Field of View	(12°x9°)	(36°x27°)	(18°x13.5°)	(12°x9°)	(9°x6.6°)	(6°x4.4°)
	Minimum Focus Distance	~ 5 feet (1.6m)	~18 inches (.5m)	~18 inches (.5m)	~20 feet (6m)	~15 feet (5m)	~25 feet (8m)
	Focus Method	Manual	Manual focus w/ Iris	Manual focus w/ Iris	Electric motor	Electric motor	Electric motor
Video	Output Format	NTSC or PAL Compatible (RCA jack)					
	Monocular Viewfinder	Monochrome (black & white)					
	Camera Digital Zoom	None			1x, 2x		
Power	Power Source	NiMH Rechargeable camcorder battery (6VDC)					
	Operating Time	~ 3 hrs. with supplied battery					
	Standby Mode	Viewfinder off					
Physical Characteristics	Size	7.5"L x 4"W x 4"H (19x10x10cm)	9.5"L x 4"W x 4"H (24 x 10 x 10cm)				
	Weight (w/o battery)	~ 2.3 pounds (1 kg)	~ 3.4 pounds (1.5 kg)				
	Mounting Provision	1/4" - 20 Tripod Mount					
Environmental	Operating Temp	-20°C to 49°C					
	Storage Temp	-40°C to 80°C					
	Water Resistance	Splashproof per IEC pub.529 IPX4					
	EMC Compliance	FCC Part 15 & CE Mark					
Ordering Information	Lens Alternatives	37mm	75mm	25mm	50mm	100mm	150mm
	Kit Part Number (NTSC)	3261612-01	3261604-01	3261604-03	3261604-02	3261604-04	3261604-05
	Kit Part Number (PAL)	3261612-02	3261604-11	3261604-13	3261604-12	3261604-14	3261604-15
Standard Equipment			<ul style="list-style-type: none"> <li>• Camera w/ Lens Cover &amp; Lens Cleaning Cloth</li> <li>• AC/DC Battery Charger Kit (110/220VAC)</li> <li>• Rechargeable Camcorder Battery (NiMH)</li> <li>• Operators Manual</li> <li>• Durable Carrying Case</li> <li>• RCA to BNC Adapter</li> </ul>				
Optional Accessories			<ul style="list-style-type: none"> <li>• Soft Protective Jacket for rain use</li> <li>• DC Battery Eliminator (12-24 VDC)</li> <li>• Extra Batteries</li> <li>• Extra Battery Chargers</li> </ul>				
All specifications are subject to change without notice							Thermal-Eye™ 225&250 RevB