

EMX Rifle Sight Thermal Imager



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VENDOR DESCRIPTION

The EMX Rifle Sight Thermal Imager is a lightweight uncooled thermal sight designed for SWAT use. The unit is compact and light, weighing just 3 lbs with the standard 9° manual focus lens. The 9° lens allows human detection at a range of up to 2,200 feet, making it ideal for weapons such as the M16, M4, M240, M249, and M24. It enhances mission performance by spotting targets at increased ranges over typical image intensifiers and works equally well in daylight or darkness. Because it is a thermal system, it can readily separate people and other objects from cluttered background foliage, and can see through dust, smoke, and other obscurants.

This highly reliable weapon sight has a unique electronically adjustable reticle for boresight. Unit operates 6-8 hours from two CR123 batteries. Comes with carrying case and 1-year parts/labor warranty.



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Business Category: Small Business

EOIR

Physical	Detector
Operating Temperature: 0°C to +60°C	Material: Amorphous Silicon Microbolometer (160 x 120 pixel array)
Storage Temperature: -40°C to 80°C	Thermal Time Constant: <21 msec
Cooling: Ambient air	Pitch: 46.8µm
Input Voltage: 6-32 VDC or 2.5-4 VDC (thru low voltage input)	Spectral Response: 7-14µm filter bandwidth
Input Power: <1.2 W, thru 6-32 VDC input @ 25°C ambient < 0.8 W, thru 2.5-4 VDC input @ 25°C ambient	Fill Factor: >75%
Weight: 3 lbs.	
Length: 8.75 in	Field of View: 9°
Video Out: Standard RS-170	

Performance	Other
NETD: Up to 0.10°C @ 25°C ambient (typical)	9° manual focus lens
Ambient Operating Range: 0°C to +60°C	Adjustable electronic reticle
Startup Time: <10 sec	Optional monocular unit available
Contrast/Brightness: Automatic	Fits Picatinny rail mount
Moving Parts: Micro Shutter (FPA touch up)	Operates 6-8 hours from two CR123 batteries
Video Sample Rate: 20 Hz snapshot mode, 60 Hz output field rate	
Video Output Format: Analog: SMPTE – 170M (NTSC)	
Spectral Response Rate: 8-12 microns	
Detection Range: 2,200 ft human target	