



QEYE MMS-1 THERMAL MONOCULAR



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General Features

QEYE MMS 1; is a multi-purpose electro-optic system that can be used for surveillance, target, direction and position determination.

- Digital Magnification Low Light / Day Light Camera
- 12.4° x 9.9° FOV Thermal Camera
- 2x Extender 6.2°x5° (Optional)
- 3x Extender 4.1x 3.3° (Optional)
- 6X Magnification
- Laser Range Measurement
- Laser Pointer
- 6 Hours Battery Life on Thermal Mode
- 7 Hours Battery Life on Normal Mode



Laser Range Finder Mode

- Laser Range Measurement
- GPS
- Digital Magnetic Compass
- Laser Pointer



Thermal Camera Settings

- Polarity
- Gain
- Contrast
- Detail
- NUC Table
- Manual/Oto Calibration



Day Camera

- Color Balance Adjustment
- Night Vision, Low Light Modes
- Brightness Adjustment
- Contrast Adjustment
- Digital Detailing
- Saturation Adjustment
- Fog Mode





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Technical Specifications		
Thermal Imager	Detector Type	LWIR, 640x512
	Spectral Band	8-12 μ m
	FOV	12.4x9.9°
	Electronic Magnification	16x
Afocal Day Light Optical System	FOV	>6°
Low Light Day Light Camera	Electronic Magnification	16x
Laser Pointer	Mode	Always
	Wavelength	830nm \pm 20nm
	Distance Accuracy	0.5 mrad
	Range	>2500 m (GEN III with night vision device)
Laser Range Finder	Laser class	Eyesafe (Class-1)
	Wavelength	1540 \pm 10 μ m
	Max Range	7800 m (2.3x2.3m) 32 km (6x6m)
Digital Magnetic Compass	Azimuth Accuracy	0,6° (RMS)
	Elevation Accuracy	0,2° (RMS)
GPS	Position Accuracy	<15m
Enviromental Parameters	Working Temperature	-30°C / +50°C
	Storage Temperature	-35°C / +60°C
	Tightness	IP67
Physical Parameters	Height	85 \pm 5mm
	Wight	180 \pm 5mm
	Lenght	160 \pm 5mm
	Weight	1,7 kg (Include battery)



FOV: 12.4x9.9°



Electronic Magnification



1.7kg



GPS, Digital Magnetic Compass



640x512 LWIR detector



Fog mode



Digital Detailing



Color mode



-30° to +50°



IP67

7800m

32km

QEYE MMS-1
Laser Range Finder

