

TVS 11M

THERMAL MONOCULAR



Display

TVS 11M is the next generation of Newcon Optik’s field-proven thermal imaging product line. Designed as a multipurpose thermal imager, the extremely lightweight and compact TVS 11M can be deployed handheld, helmet or weapon-mounted configuration. Using a state-of-the-art uncooled thermal sensor, the TVS 11M delivers incredibly clear images while achieving continuous operation of over 4 hours.

The TVS 11M is fully MIL-SPEC and features a built-in 2x and 4x digital zoom which can be paired with an optional 2x A focal magnification lens for enhanced distance performance. With a built-in IR laser pointer, the TVS 11M is the ideal thermal monocular for military, police, and search & rescue applications.

Sensor	TVS 11M
Resolution (pixels)	384x288
Operating wavelength (μ)	8 - 14
Sensitivity [mK @F1.0]	<70
Video Output	PAL
DRI (m):	
Human	576/142/71
Vehicle	1,530/385/190
Multiple colour options	Yes
Optics	
Objective focal length (mm)	17
Field of view (°)	22x16.5
Eye relief (mm)	25
Dioptric correction	±5
Zoom	2x, 4x
Mechanics, Electronics & Environmental	
Dimensions [mm]	145x72x50
Weight without batteries [g]	375
Battery type	1x 3.7V/1800m Ah Li-on or 2x CR123 Lithium batteries
Battery life (hours)	4
Operating Temperature range (°C)	-35 to +55
Storage Temperature range (°C)	-45 to +70
Waterproofing	MIL-STD-810G
Optional weapon-mounting systems	S Mount, QR Mount
Weapon compatibility	Assault rifles, RPG
Aiming reticle	Yes
Integrated Laser	
Laser wavelength (nm)	830 ±20
Laser output, min (mW)	30
Laser class	3B
Laser beam divergence (mrad)	1
Laser spot size at 50m (mm)	40
Detectable by:	
Night vision	+
Thermal vision	-
Detection range (km)	>2

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DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 3.7V/1800mAh Li-on or 2xCR123 Lithium batteries
- Objective lens cover
- Video cable
- Head gear
- Lens cleaning cloth
- Operation manual

OPTIONAL ACCESSORIES



MIL-SPEC Hard Case for TVS 11M



TVSD

External recording and viewing module for TVS 11M



TVS SE

Shuttered eyepiece



TVS 11M SHROUD

Shroud Helmet mount for TVS 11M



TVS 2x Lens

2x afocal add-on lens for TVS 11M



Shown on rifle with NVS QR Mount and TVS SE