

TVS 13M (640_9Hz)

THERMAL RIFLESCOPE



Display

The TVS 13M (640_9Hz) thermal rifle scope series is designed to act as a force multiplier in the most demanding situations faced by border patrol, law enforcement, tactical teams and special operations forces. The TVS 13M (640_9Hz) functions effectively in CQB, medium and long range target engagement applications. Advanced built-in ballistics software allows for accurate firing on virtually any weapon platform, while a video output port and internal storage capability enable the capture of video and still images.

The TVS 13M (640_9Hz) comes standard with a M1913 quick release mount and can also be used as a hand-held observation tool. Unlike traditional night vision devices, the TVS 13M (640_9Hz) operates 24 hours a day without any degradation in performance when used in daylight, smoke or fog and it can also penetrate camouflage.

| Sensor | TVS 13M (640_9Hz) |
|--|---------------------------|
| Resolution (pixels) | 640x480 |
| Pixel size (µM) | 17 |
| Operating wavelength (µ) | 8 - 14 |
| Full Frame Rates, PAL (Hz) | 50 |
| Display AMOLED | 800x600 |
| Sensitivity (mK @F1.0) | <55 |
| Video Output | PAL |
| DRI range (m)* | 1,800/450/225 |
| Optics | |
| Objective focal length (mm) | 54 |
| Field of view (°) | 11.5x8.6 |
| Eye relief (mm) | 30 |
| Dioptric correction | -6 to +2 |
| Zoom | 2x, 4x |
| Mechanics, Electronics & Environmental | |
| Dimensions (mm) | 270x75x102** |
| Weight without batteries (g) | 1,194 (with mount)** |
| Battery type | 6x AA or battery cassette |
| Battery life (hours) | 8 |
| Operating Temperature (°C) | -40 to +50 |
| Waterproofing | MIL-STD-810G |
| Shock Resistance (G) | 300 |
| Ballistics | |
| # of preprogrammed reticles | 8 |
| Programmable ballistic profiles | 4 |
| Automatic reticle colour inversion | Yes |
| Proximity sensor | Yes |

*Maximum Detection/Recognition/Identification to human-sized target **Due to frequent updates in manufacturing, we cannot guarantee listed dimensions/weight are perfectly accurate.



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With a variety of other features including image polarity selection, sepia, rainbow and other colour options, a proximity sensor and full MIL-SPEC design, the TVS 13M is the right choice for tactical applications in any environment. The unit's electronic reticle movement is accomplished without the use of mechanical adjustments.

The instrument contains several sighting marks that can be quickly selected. The sight is equipped with a digital USB interface for parameter setting and loading of impact marks. The TVS 13M (640_9Hz) has a 2x and 4x digital zoom feature and various color scheme options for the display. The unit's operating status is shown on the display.

DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 6x AA batteries
- Battery cassette
- Objective lens cap
- Power outlet adapter
- USB cable
- Power/Video cable
- Rubber eye guard
- Quick release weapon mount

OPTIONAL ACCESSORIES



Optional TVSD



Optional TVS AR



Optional Hard Case



Mounted on Assault Rifle



SIDE MOUNT



Mounted on AK Rifle

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| Sensor | TVS 13M |
|--|---------------|
| Resolution (pixels) | 384x288 |
| Operating wavelength (μ) | 7 - 14 |
| Sensitivity (mK @F1.0) | <70 |
| Video Output | PAL or NTSC |
| DRI range (m)* | 1,200/300/150 |
| Optics | |
| Objective focal length (mm) | 54 |
| Field of view (°) | 10x8 |
| Eye relief (mm) | 30 |
| Dioptric correction | -6 to +2 |
| Zoom | 2x, 4x |
| Mechanics, Electronics & Environmental | |
| Dimensions (mm) | 280x68x78 |
| Weight without batteries (g) | 950 |
| Battery type | 6x AA |
| Battery life (hours) | 8 |
| Operating Temperature (°C) | -40 to +60 |
| Waterproofing | MIL-STD-810G |
| Ballistics | |
| # of preprogrammed reticles | 8 |
| Programmable ballistic profiles | 4 |
| Automatic reticle colour inversion | ✓ |
| Scope level warning | Available |
| Proximity sensor | ✓ |

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TVS 13M THERMAL RIFLESCOPE

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DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 6x AA batteries
- Objective lens cover
- Lens cleaning cloth
- Power adapter
- USB cable
- Video/charging cable
- Wrist strap
- Quick release Picatinny rail mount

OPTIONAL ACCESSORIES



Optional TVSD



Optional TVS AR



Optional Hard Case



Mounted on Assault Rifle



Mounted on AK Rifle