

TVS 11M-640

THERMAL MONOCULAR



Display

TVS 11M-640 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-640 can be deployed handheld, helmet or weapon-mounted configuration. Using a state-of-the-art uncooled thermal sensor, the TVS 11M-640 delivers incredibly clear images while achieving continuous operation of over 4 hours.

The TVS 11M-640 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 video-output as a standard feature, internal video/photo recording and a built-in IR laser pointer, the TVS 11M-640 is the ideal thermal monocular for military, police, and search & rescue applications.

| Sensor | TVS 11M-640 |
|--|--|
| Resolution (pixels) | 640x512 |
| Operating wavelength (μ) | 8~14 |
| Sensitivity (mK @F1.0) | <40 |
| Video Output | PAL |
| DRI (m): | |
| Human | 1550/520/260 |
| Vehicle | 3800/1250/600 |
| Multiple colour options | Yes |
| Optics | |
| Objective focal length (mm) | 35 |
| Field of view (°) | 12.5x10 |
| Eye relief (mm) | 25 |
| Dioptic correction | -3 to +5 |
| Zoom | 1x, 2x, 4x |
| Mechanics, Electronics & Environmental | |
| Dimensions (mm) | 125 x 75 x 50 |
| Weight without batteries (g) | 440 |
| WIFI | Yes |
| GPS | GPS +-3M |
| Compass | Optional |
| NFC | Yes |
| Battery type | 2x rechargeable 3.7V/900mAh CR123A |
| Battery life (hours) | 4 |
| Operating Temperature range (°C) | -35 to +60 |
| Storage Temperature range (°C) | -51 to + 70 |
| Waterproofing | IP 67 (1m for 30 min) |
| Optional weapon-mounting systems | S Mount, QR Mount |
| Weapon compatibility | Rifles, Machine guns & Anti-armour systems (RPG, Carl-G) |
| Aiming reticle | Yes |
| Internal video/photo recording memory | 64 GB |
| Video recording/number of photos | 4 hours /10,000 shots |

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DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 2x Lithium CR123 rechargeable Battery
- Objective lens cover
- AV cable
- 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



NVS S Mount

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