



NIGHTOPTIX™

Scotopia-M675 Tactical Thermal Imaging Monocular



Tactical Thermal Imaging Monocular. Suitable for any mission in any environment, this easy to use, plug-and-play system is a cost-effective tool for hand-held, hands-free and quick weapon-mountable usage in both: broad daylight and extreme darkness.





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M675 TECHNICAL DATA

Optical Magnification	3X
Objective Lens System	75mm
Field of View	8.3°x6.2°
Focusing Range	3m .. Infinity
Diopter Adjustment Range	-6 .. +4
Eyerelief	Min. 40mm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)
FPA Resolution and Pitch	640x480, 17µm
FPA Sensitivity (NETD)	<50mK
FPA Refresh Rate	60 Hz
Digital Zoom	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Colour Palettes
Shot-Initiated FOV Feature (SIF)	Optional: Built-In Adjustable Shock Sensor
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Wide Dynamic Range Feature (WDR)	Yes
Stow Safety Feature (SSF)	Yes
Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Optional: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Integrated Compass	Optional
Pitch / Roll / Azimuth Indications	Optional
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
Digital Video Recorder with Real-Time Stamp	Optional: Comes with removable 32GB microSD card
Electronic Reticles	Optional: 8+8 Patterns, Easy Zeroing / Calibration
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	2500m / 3380m
Hand-Held Configuration	Yes
Conversion to Clip-On (In-Line) Sight	Yes
Conversion to Standalone (Direct-View) Sight	Yes
Tripod-Mountable Configuration	Yes
User Profiles (Configurable)	Yes: 8
Automatic/Manual Pixel Masking	Yes
Reset to Factory Defaults	Yes
External Video Feed Protection	Yes
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity
Accepted Batteries	2 (two) CR123 of Any Type: Lithium / Rechargeable
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
Battery Life on 2x CR123	Up to 7 Hours
Environmental Protection	Min. IP67, Nitrogen-Purged Housing
Dimensions and Weight	195 x 66 x 66 mm , 525 grams
Operating Temperature	-40°C .. +50°C

*Export Permit required. Nightoptix can assist in obtaining the required permit



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STANDARD EQUIPMENT: WHAT'S IN THE BOX



Main Unit



Video-Out Cable



USB Power Cable



Soft Pouch



Hard Case

User's Manual Quick Reference Card Warranty Form