

Prometheus Thermal Imaging Monocular



Prometheus is the latest and most technologically advanced Thermal Imaging monocular to enter the sporting, law enforcement, and military markets. The Prometheus product line is based on the latest FLIR Tau 2 VOx microbolometer core, and is available in a variety of models – each optimizing performance, price, and state-of-the-art technology for numerous uses and mission applications.

The Prometheus is a solid state, uncooled, long-wave infrared, magnified, dedicated handheld thermal imager intended for day and night engagements.

The 24/7 mission capability is only one of the strengths of Prometheus. The thermal imaging technology also allows you to detect targets by cutting through snow, dust, smoke, fog, haze, and other atmospheric obscurants. Unlike the use of laser targeting or near-infrared illumination to augment night vision equipment, the Prometheus thermal imager is extremely difficult to detect with other devices, as it emits no visible light or RF energy.

Features: Lightweight and compact; active contrast enhancement; second generation digital detail enhancement; smart scene optimization; automatic gain control; silent shutterless non-uniformity correction; colour modes: white hot/ black hot/ rainbow/ various colour modes; extended operation time with optional external battery power supply; recording: video output /optional video recorder with onboard replay; CNC machined aircraft-aluminum alloy construction; rapid start-up; Germanium objective lens

Standard accessories: Soft case; batteries – 2; battery cassette; lens tissue; video cable; wireless remote control with adapter

Optional accessories: Platform-ring; digital video recorders; extended battery pack; tripod; hard waterproof case; cleaning kits

Specifications

Refresh rate, Hz	Up to 60
Optical magnification, x	Up to 3.4
Type of FPA	FLIR Tau 2
Pixel array format	336x256 or 640x512
Pixel size, μm	17
Display type	LED VGA or OLED SVGA
Pixel display format	640x480 or 800x600
Display brightness	Discretely Adjustable to 8 Levels
Turn-on time, max sec	3
Digital zoom, x	Up to 8
Video recording	Digital video recorder with SD card slot (optional)
Objective focal length, mm	25 or 42
Objective F-number	1.0
Exit pupil diameter, mm	14
Field of view, $^{\circ}$	From 7.8×5.9 to 24×20
Eye relief, mm	25
Focusing range, m	5 to infinity
Diopter adjustment range	-5...+5
Battery	Two CR123
Battery life, hours	Up to 3 (10 – optional)
External power supply	Battery pack (optional) or 6 VDC/ 0.6A power source
Operating temperature, $^{\circ}\text{C}$	-40...+50
Impact loading, g	700
Environmental rating	Water and fog resistant
Dimensions, mm	From 180x68x62
Weight (w/o batteries), g	From 480
Warranty, years	3 (10 – detector)