



COMPACT DAY & NIGHT

MOSKITO

OBSERVATION & LOCATION UNIT

TECHNICAL DATA

Optics Day

Magnification	5x
Field of view	6° / 107 mil
Glass reticle	with mil graduation

Optics Night

Image intensifier tube	Photonis XR-5 / other tubes on request
Magnification	3x
Field of view	10.5° / 187 mil

Rangefinder

Laser diode	1,550nm
Eye safety	class 1 per IEC60825-1
Range capability	5m to 10km 4km to standard NATO target
Accuracy (1 σ)	± 5 m

Digital Magnetic Compass

Azimuth accuracy (1 σ)	± 10 mil / $\pm 0.6^\circ$
with PPS calibration on tripod, typical (1 σ)	± 5 mil / $\pm 0.3^\circ$
Inclination accuracy	± 3 mil / $\pm 0.2^\circ$

Power supply

	2 lithium batteries 3V, type CR123A
Autonomy	24 hours night vision operation and >2,000 measurements

Physical

Dimensions (L x W x H)	130 x 185 x 80 mm
Weight	< 1.2 kg

For further specifications please refer to the product technical data sheet.



ACCESSORIES



The standard magnification has been increased to provide a 25 % improvement in detection range and a 35 % improvement in identification range:
Daychannel: from 5x to 8x
Nightchannel: from 3x to 4.8x



Vectronix provides stable, ultra light tripods for long-distance measurements. The non-magnetic carbon-aluminum construction is an ultimate basis for accurate azimuth measurements.



The Vectronix DataViewer is an easy to use, hardware independent freeware for Windows and Android operating systems to calculate, store, visualize and export object positions measured with Vectronix Laser Rangefinders or entered manually. It is designed for demonstration and documentation purposes.