



Upgrade your day sights

NiteSpot50

Clip-on Night Sight

vectronix 

Stay tuned

Day and night

Vectronix NiteSpot50 is an image intensifier device that adds night vision capability to a variety of sighting and observation systems. It is easily attached in front of the objective of the day sight, and quickly removed when not used. NiteSpot50 does not affect the optical alignment which means no re-adjustment or fresh boresighting is needed when changing from daylight to nighttime operation.



Low and light

The sleek design – with the eyepiece lower than the objective – achieves a low profile and favourable center of gravity. NiteSpot50 is lightweight yet robust. With its Picatinny rail adapter NiteSpot50 is rapidly fitted on and removed from most common arms. Other types of mounting systems are available on request.

The lens cover is secured such that it easily snaps into the on and off positions. An optional black filter allows practicing in daylight conditions.

Being self-contained, NiteSpot50 can also be used on its own, in hand-held mode. It operates on a single commercially available CR 123A lithium battery.

User friendly

The ON/OFF-wheel above the eyepiece allows to adjust the “image intensification factor” (gain control). These functions are also available on a remote control which can be placed at the most convenient location.



Technical Data - Remote Control

Dimensions without cable	66mm x 22mm x 27mm
Weight	
with cable	100g
without cable	80g
Operations	ON/OFF/Gain

NiteSpot50 is subject to international export regulations and requires an export permit granted by the Swiss Secretariat for Economic Affairs (SECO)

Technical Data - Basic Unit

Optics

Magnification	1x
Field of view	≥ 7°
Focus range	100 m to infinity

Objective lens

Diameter	75.0 mm
Focal length	75.2 mm
Aperture	f / 1.17

Eyepiece

Diameter	50 mm
Focal length	75.2 mm

Performance

I ² tube	Photonis DEP XR-5™
Resolution	4.5 lp/mrad
I ² tube	18 mm, MCP, with automatic brightness control (ABC) and bright point protection (BPP).
Recognition range	
starlight (1 mlx)	720 m
quarter moon (10 mlx)	1200 m

Power Supply

Battery type	1x CR 123A lithium
Battery capacity (20°)	45 h

Environmental conditions, tested to MIL-STD-810

Operating temperature	-45° C to +50° C
Storage temperature	-50° C to +65° C
Humidity	95% RH @ +60° C / +30° C
Shock	500 g / 1 ms
Drop test	1.22 m on sand
Vibration	10 Hz to 500 Hz / xyz
Altitude	572 mbar / 1 h (4572 m)
Immersion	1 m / ½ h

Physical

Dimensions (l x w x h)	272 mm x 100 mm x 100 mm
Weight (with battery)	1.25 kg
Mounting tolerance	±1°

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Vectronix AG
Max-Schmidheiny-Strasse 202
CH-9435 Heerbrugg
Switzerland
Telephone +41 71 726 72 00
Fax +41 71 726 72 01
www.vectronix.ch