

Night Vision Clip-on Afocal

NX-135C



Features

- Clip-on night vision for day optical devices
- Day optical device reticle retained during the night operation
- Largest objective lens in its class resulting to maximum range
- Better matching of field of view and exit aperture with most day instruments
- Field adjustable boresight
- Lightweight
- Standard 18mm Gen 3, XD-4 or XR5 image intensifier tubes
- Simple and quick mounting procedure without tools
- Rugged aluminium housing
- Standard AA battery
- No boresighting required

Description

The NX-135C is a night vision clip-on afocal sight for mounting on top of Laser Range Finders and optical day sights to provide night vision capability.

The NX-135C features a 150 mm EFL, f# 1.7 objective lens to collect light during the night. Despite the fact that this lens has the largest focal length in this class of instruments, the complete sight is lighter and more compact than competing designs. In addition to providing increased recognition and identification ranges, the selection of a large objective gives a field of view (6,7 degrees) that is a better match to the field of view of most Laser Range Finders and large magnification day sights. The NX-135C also offers the largest output optics; 40mm to closely match the input apertures of the day optics onto which is attached.

Due to its exact, factory set, 1X magnification, the NX-135C mounts with special mounting brackets on LRFs and day sights without affecting their boresighting settings.

The user continues to operate the day sights as usually. Reticle readings, eye relief distances and shooting/observation practices remain the same as in a daytime.

The NX-135C features a Field Adjustable Boresight (FAB) capability. Using the FAB the Sight's optical axis can be accurately adjusted in elevation and windage, thus achieving convergence with the day sight optical axis.

The large aperture dichroic filter at the exit of the NX-135C allows the use of the LRFs or day optics during the day without prior removal of the NX-135C. The NX-135C employs an inverting 18mm, Generation 3, XD-4 or XR5 image intensifier assembly. Power is provided by one (1) AA size battery of any voltage between 1 and 5 volts. A variety of mounting brackets is available for different LRFs and optical sights.

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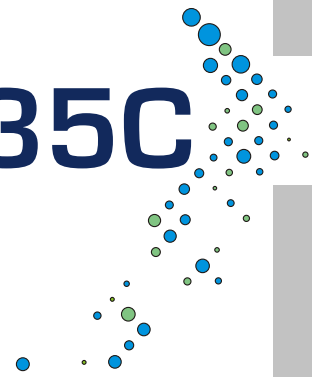
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sensors

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Technical Specifications

Physical

Weight (including battery without mounting brackets)	<1.9 kg
Dimensions (LxW x H)	215 x 112 x 225 mm
Operating temperature	-40°C to +52°C

Optical

General

Magnification	1X
Field of view	6.7°
System focus	25 m to infinity
System resolution (min)	>6 lp/mrad

Objective Lens

Focal length	150 mm
F#	1.7
T#	1.8
Free Aperture	88 mm

Exit Optics

Focal length	150 mm
Exit diameter	40 mm

FAB

Adjustment range	±1°
Adjustment step	0,09 mil@10° knob rotation

Electrical

Batteries	1 x Size AA (LR6), Alkaline 1.5V, Lithium 1.5 V, Lithium 3.6V, any type rechargeable
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Battery life	>80 hours at 20°C with Lithium 3,6V
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Image Intensifier

	18mm, ANVIS, Gen 3, XD-4, XR5
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