

# 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
- Provided with or without Variable Gain Control
- 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 optical day sights and laser range finders to provide night vision capability. The NX-135C features the biggest objective lens among the fielded night vision attachments (150 mm EFL, f# 1.7) and as such it offers increased recognition and identification ranges when attached to sniper rifle sights and laser range finders.

The NX-135C with its 6.85-degree FOV is closer to the narrow FOV of most large magnification sights and a perfect match to the field of view of most laser range finders. Hence, the NX-135C provides the most efficient utilisation of current high-performance image intensifiers.

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 he would have done during the day, without the slightest change. Reticle readings, eye relief distances and shooting/observation practices remain the same as in day time.

For increased shooting accuracy, with the large magnification sights, the NX-135C is offered in a FAB (Field Adjustable Boresight) version equipped with elevation and azimuth (EL/AZ) controls as well as with Variable Gain Control capability.

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 18 mm, 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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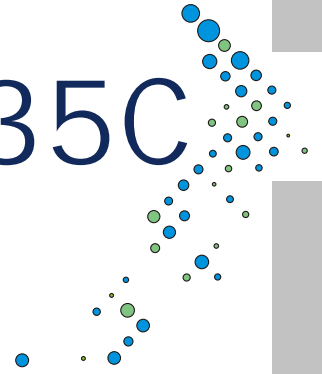
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## Technical Specifications

### Physical

Weight (including battery without mounting brackets)	<1.9 kg
Dimensions (LxW x H)	215 x 112 x 225 mm
Environmental	Complies with MIL-STD-810

### 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

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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