

# AstroScope™

## for Nikon dSLR Cameras



Convert your digital SLR Camera into a High-Performance Night Vision System

The AstroScope is an advanced night vision module that incorporates a state-of-the-art image intensifier and high quality optics to transform dark scenes into bright, high resolution images. The AstroScope Models 9350NIK-SP and 9350NIK-SPV are specifically designed to be used with Nikon-type digital cameras. These modules mount seamlessly between the camera body and objective lenses using the standard Nikon bayonet mount and hot-shoe retaining all electronic communication between lens and camera. The Model 9350NIK-SP features an automatic gain control that keeps the output image at a certain brightness. The Model 9350NIK-SPV also features automatic gain control plus includes a manually adjustable maximum output brightness permitting the user to achieve the optimum balance of brightness and clarity in the image.



variable gain feature



Also shown here on the Nikon D3X model

In wide use with military organizations around the world, AstroScope's battlefield-proven design delivers seamless integration with your camera body and requires no additional batteries or field adjustment, such as back focus. When you need to get the shot, AstroScope delivers.



Military Tactical Imaging



Law Enforcement



Government Surveillance



Low-light Still Photography



Photojournalism/News Gathering

Features	Benefits
• Seamless Electronic Integration	• Maintains existing electronic communications between the camera and the objective lens. All lens functions are retained, including image stabilization.
• Interchangeable Central Intensifier Unit (CIU™)	• Choose from several models offering different levels of low-light performance and take advantage of the opportunity to "swap" a CIU from one AstroScope system configuration to another (for example, use one CIU for both a camcorder and a digital SLR camera night vision setup).
• Custom Relay Optics	• Capture bright, tack-sharp edge-to-edge image detail. The AstroScope system is the highest performance design available for night vision photography.
• Epoxy-Coated Aluminum Chassis	• Designed for use in field environments, the AstroScope system is rugged, compact and versatile.
• Nikon Bayonet Mounts	• Use existing high-performance Nikon AF-type and G-type objective lenses.
• Host Interfaced Powered	• Powered directly from the SLR camera. No separate batteries are required.
• User-Friendly Design	• Requires no back focus adjustment or special camera training. Simple setup and operation.

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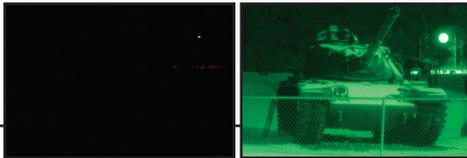
**A design that delivers optimum performance in every configuration.**

Unlike pocketscope-based night vision setups, AstroScope is specifically designed for image capture applications. Only AstroScope enables you to use your Nikon lenses to shoot full frame images at distances beyond 1000 meters! AstroScope passes all communication signals between the camera body and lens, which ensures features like image stabilization, work when you really need them.

AstroScope's modular design enables you to easily transfer the image intensifier to other camera platforms including Canon SLR, Canon XL-2 and fixed lens camcorders.

- ◆ Use your Nikon lenses
- ◆ No back focus adjustment
- ◆ No vignetting
- ◆ Installs in less than 10 seconds
- ◆ Powered directly by camera
- ◆ Wide range of image intensifier performance offerings

Without AstroScope      With AstroScope



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS:  
Shutter Speed: 1/40; No Flash; Lens Aperture: F/5; Focal Length: 52 mm; ISO: 800; Exposure Comp: 0

Experience the difference.

See 10 to 12 F-stops more light!

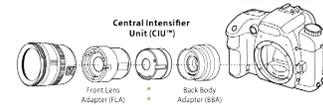
Export of this product is controlled by the US State Department. Prior authorization is required for re-export or transfer. \*Aviation-grade image intensifiers are subject to limited availability.

Photojournalism/News Gathering application image from *Devil's Brigade* television series – © Monarch Films. All rights reserved.

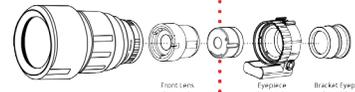
## AstroScope Modular Configurations

At the heart of the AstroScope is a Central Intensifier Unit that, with additional components, can be reconfigured as shown below.

### Canon or Nikon SLR Camera

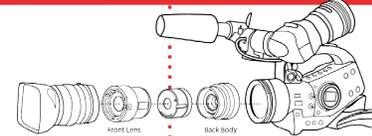


### Pocketscope Options

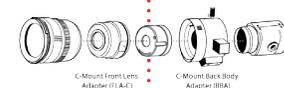


The Pocketscope configuration can be configured with a variety of front lens adapters, such as C-mount or Canon EOS permitting the use of SLR objective lenses in manual mode.

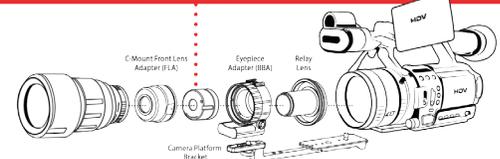
### Canon XL-Series Video Camera



### C-Mount CCD Camera



### Consumer Camcorder or Prosumer Video Camera



## Ordering Information

ITEM	DESCRIPTION
<b>AstroScope for Nikon SLR</b>	
Model #: 9350NIK-SP Part #: 914541	Fixed gain model features automatic gain control that keeps the output image at a certain brightness. Select from CIU version below.
Model #: 9350NIK-SPV Part #: 914992	Variable gain model features automatic gain control plus includes a manually adjustable maximum output brightness permitting the user to achieve the optimum balance of brightness and clarity in the image. Select from CIU version below.
Model #: 9350NIK-FF Part #: 914990	Adapter for use with full-format digital cameras and either 9350NIK-SP or 9350NIK-SPV modules.
<b>Central Intensifier Units</b>	
<b>Gen III Aviation*</b> Model #: 9350CIU3-A Part #: 914365 Model #: 9350CIU-3VA Part #: 914984 (Variable Gain)	Super high-performance grade, third generation image intensifier, specially selected for the most demanding military applications. Leading-edge sensitivity, resolution and contrast with better halo reduction and anti-blooming technology.
<b>Gen III Pinnacle</b> Model #: 9350CIU3-N Part #: 914248 Model #: 9350CIU-3VN Part #: 914986 (Variable Gain)	Exceptional grade, third generation image intensifier, specially selected for highly demanding military applications. State-of-the-art sensitivity, resolution and contrast, with built-in technology designed to reduce halos and blooming effects!
<b>Gen III Omni IV</b> Model #: 9350CIU3-IV Part #: 914065 NSN: 5855-01-498-4949 Model #: 9350CIU-3V-IV Part #: 914985 (Variable Gain)	Specially selected, third generation image intensifier. Military-grade sensitivity, resolution and contrast.
<b>Gen III Export</b> Model #: 9350CIU3-F-1250 Part #: 914400 Model #: 9350CIU3-F-1400 Part #: 915238 Model #: 9350CIU-3FV-1400 Part #: 915234 (Variable Gain) Model #: 9350CIU3-F-1600 Part #: 914399 Model #: 9350CIU-3FV-1600 Part #: 914982 (Variable Gain)	Military grade, third generation image intensifier meeting figure of merit guidelines for export.
<b>Professional Grade Models (include module and CIU)</b>	
<b>9350NIK-3-PRO</b> Model #: 9350NIK-3-PRO Part #: 914658	Professional grade module and intensifier
<b>9350NIK-3V-PRO</b> Model #: 9350NIK-3V-PRO Part #: 914993	Professional grade module and intensifier with variable gain feature.

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