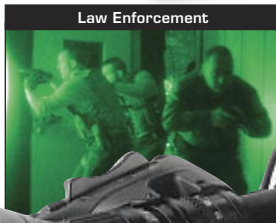


AstroScope™ Night Vision



Finalist



Highest Performance.

The AstroScope 93B-Series is the ultimate night vision module for bayonet-mount camera systems. The heart of the 93B-Series, its image intensifier, transforms dark, moonlit or starlit nights (below 10⁻⁴ lux) into bright, high-resolution scenes that can be seen through the viewfinder and easily recorded. Because of its excellent low-light performance and its compact and rugged design, the AstroScope 93B-Series turns any B4-mount camera into a portable, low-light video imaging system!

You are ready for nighttime or low-light video recording! The AstroScope 93B-Series draws a trickle of power from the camera via the lens cable, so no batteries or power cables are necessary. Once the 93B-Series is installed, the camera "talks" to the lens and the lens "talks" to the camera as if the AstroScope were not there. **You have full control of the lens iris and zoom.**

Easy To Use.

Despite its complexity, the AstroScope 93B-Series requires no setup, calibration or training. It is easily installed in seconds:

1. Remove the objective lens and disconnect the lens cable from the camera body.
2. Attach the 93B-Series to the camera's B4 lens mount and plug the module's lens/power cable into the camera's lens jack.
3. Re-attach the objective lens to the front of the AstroScope 93B-Series and plug the lens cable into the module's lens jack.

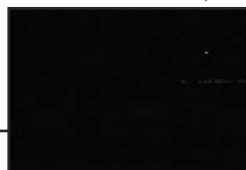
Features

- 8 to 10 F-stop improvement!
- Models designed for 2/3" or 1/2" bayonet-mount cameras
- Powered by camera
- Seamless interface ensures proper camera-lens communications
- Choice of image intensifiers
- Supports even the most sophisticated B4-type objective lenses

Experience the difference.

See 8 to 10 F-stops more light!

Without AstroScope



With AstroScope



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS.

AstroScope™ Night Vision

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

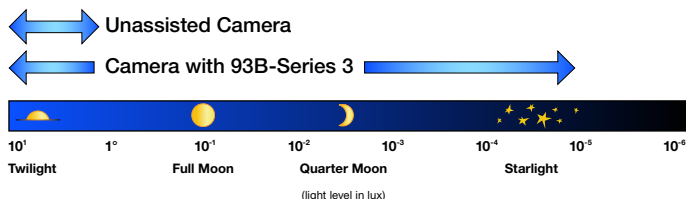
Interfaces with Standard 2/3" or 1/2" Bayonet-mount Objective Lenses

Specifically designed for bayonet-mount camera systems, the AstroScope 93B-Series permits full control of the lens iris and zoom from the camera. Under bright scene conditions, the camera's auto-iris control closes the lens iris, protecting the sensitive intensifier tube.

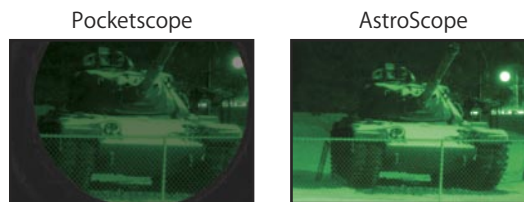
The 93B-Series draws minimal power from the camera via the lens cable, and all camera-to-lens and lens-to-camera communications are maintained. The sturdy design of the AstroScope 93B-Series enables it to support the weight of the heaviest objective lenses.

Technology

The AstroScope 93B-Series dramatically extends the camera's usable light range by 8 to 10 F-stops.

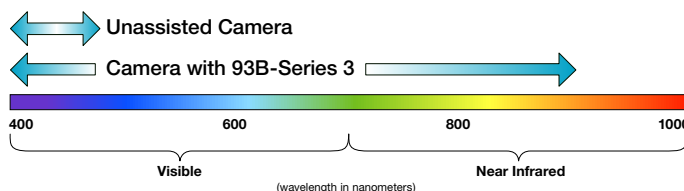


Experience the difference.



Unlike pocketscope-based night vision setups, AstroScope delivers the sharpest detail and the highest quality full-frame images with no vignetting, on most platforms.

With the 93B-Series, the usable spectral range changes, increasing near-infrared response.



Specifications		Ordering Information		
Mechanical		Item	Part No.	Description
Weight:	23 ounces (0.6 kg)	9312B-3N	999912	Dedicated AstroScope Night Vision Adapter for ENG 1/2" Video Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Pinnacle-Grade" Image Intensifier.
Dimensions:	3.25-inch (83mm) diameter by 5.40-inch (137mm) length	9312B-3F-1600	914753	Dedicated AstroScope Night Vision Adapter for ENG 1/2" Video Cameras. Includes Gen III, FOM1600 Image Intensifier.
Housing:	Epoxy-coated aluminum	9323B-3A	914395	Dedicated AstroScope Night Vision Adapter for ENG 2/3" Video Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Aviation-Grade" Image Intensifier.
Lens Mount:	2/3-inch or 1/2-inch bayonet female (B4 type)	9323B-3N	914415	Dedicated AstroScope Night Vision Adapter for ENG 2/3" Video Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Pinnacle-Grade" Image Intensifier.
Camera Mount:	2/3-inch or 1/2-inch bayonet male (B4 type)	9323B-3IV	914257	Dedicated AstroScope Night Vision Adapter for ENG 2/3" Video Cameras. Includes Gen III, Omni IV Image Intensifier.
Optical		9323B-3F-1600	914403	Dedicated AstroScope Night Vision Adapter for ENG 2/3" Video Cameras. Includes Gen III, FOM1600 Image Intensifier.
Magnification:	1X (excluding objective lens magnification)	9323B-3F-1250	914404	Dedicated AstroScope Night Vision Adapter for ENG 2/3" Video Cameras. Includes Gen III, FOM1250 Image Intensifier.
Electronics				
Power:	30 mW (50 mA)			
Connections:	12-pin jack (attaches to lens cable) 12-pin plug on 6-inch cable (attaches to camera)			

Specifications are subject to change. Please contact us for detailed product information.

Export Limitations: These devices utilize state-of-the-art technology that is under the control of the US government, so exportation requires licensing. Please contact us for details.

Please call us to discuss the wide variety of AstroScope components available to meet your specific requirements.



373 Route 46, Fairfield, NJ 07004 973.882.0211 fax: 973.882.0997
www.electrophysics.com info@electrophysics.com