

AstroScope™ Night Vision for Broadcast Video



AstroScope 9312SB for 1/2" Sony Cameras

AstroScope 9323B for 2/3" Cameras

Highest Night-time Imaging Performance

The AstroScope 93B Series Night Vision Modules are the ultimate in high performance night vision video. Making use of the extensive features of professional broadcast cameras, these AstroScope night vision modules optimally fit between the bayonet-mount objective lens and camera lens mount. At the heart of the 93B-Series is a high performance image intensifier that transforms dark, moonlit or starlit nights 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 modules turn any bayonet-mount camera into a portable, low-light video imaging system!

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 bayonet objective lenses

Easy To Use

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

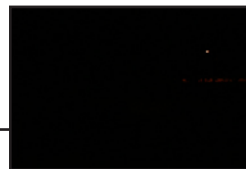
1. Remove the objective lens and disconnect the lens cable from the camera body.
2. Attach the AstroScope 93B Series module to the camera's bayonet lens mount and plug the module's lens/power cable into the camera's lens jack.
3. Re-attach the objective lens to the front of the AstroScope 93B module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

You are ready for nighttime, low-light video recording! The AstroScope 93B Series Night Vision Module draws a trickle of power from the camera via the lens cable, so no batteries or power cables are necessary. Once the night vision module 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.

Experience the difference.

See 8 to 10 F-stops more light!

Without AstroScope



With AstroScope



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS.



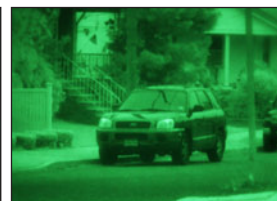
Night-time News Gathering



Law Enforcement



Government Surveillance



Low-light Reconnaissance

AstroScope™ Night Vision

for Broadcast Video

A design that delivers optimum performance in every configuration.



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

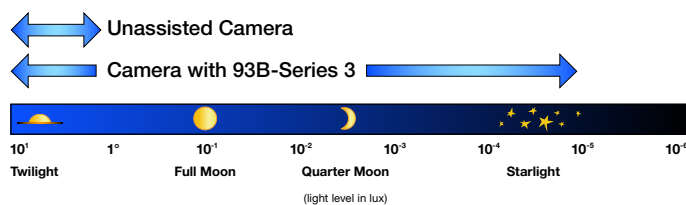
Specifically designed for bayonet-mount camera systems, the AstroScope 93B-Series permits full control of the lens iris and zoom from the camera. Under bright scene conditions, the camera's auto-iris control closes the lens iris, protecting the sensitive intensifier tube.

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.

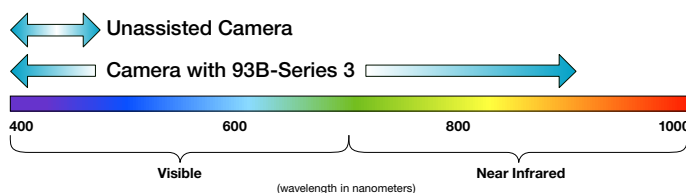
Please call us to discuss the wide variety of AstroScope components available to meet your specific requirements.

Technology

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



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



Specifications	
Mechanical	
Weight:	23 ounces (0.6 kg)
Dimensions:	3.25" (83mm) diameter by 5.40" (137mm) length
Housing:	Epoxy-coated aluminum
Lens Mount:	2/3" or 1/2" bayonet female (B4 type)
Camera Mount:	2/3" or 1/2" bayonet male (B4 type)
Optical	
Magnification:	1X (excluding objective lens magnification)
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.

Ordering Information		
Item	Part No.	Description
9323B-3A	914395	Dedicated AstroScope Night Vision Adapter for 2/3" B4 type ENG Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Aviation-Grade" Image Intensifier.
9323B-3N	914415	Dedicated AstroScope Night Vision Adapter for 2/3" B4 type ENG Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Pinnacle-Grade" Image Intensifier.
9323B-3F-1600	914403	Dedicated AstroScope Night Vision Adapter for 2/3" B4 type ENG Cameras. Includes Gen III, FOM1600/FOM1250 Image Intensifier.
9323B-3F-1250	914404	
9312SB-3A	915010	Dedicated AstroScope Night Vision Adapter for 1/2" Sony type ENG Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Aviation-Grade" Image Intensifier.
9312SB-3N	915011	
9312SB-3F-1600	915008	Dedicated AstroScope Night Vision Adapter for 1/2" Sony type ENG Cameras. Includes Gen III, FOM1600/FOM1250 Image Intensifier.
9312SB-3F-1250	915009	
9312B-3A	914812	Dedicated AstroScope Night Vision Adapter for 1/2" B4 type ENG Cameras. Includes Gen III, Omni VI, Thin-Film, Auto-Gating, "Aviation-Grade" Image Intensifier.
9312B-3N	914810	
9312B-3F-1600	914753	Dedicated AstroScope Night Vision Adapter for 1/2" B4-type ENG Cameras. Includes Gen III, FOM 1600/FOM 1250 Image Intensifier.
9312B-3F-1250	914848	