

# AstroScope 9323B

## NIGHT VISION FOR ENG & EFP CAMERAS!

The AstroScope 9323B is the ultimate Night Vision Module for use on 2/3" bayonet-mount Camera Systems. This light amplifier transforms dark, moonlit or starlit nights (below  $10^{-4}$  lux) into bright, high resolution scenes easily viewed via the view-finder monitor and recorded. Because of its excellent low-light performance, the compact and rugged 9323B makes these cameras ideal for use in portable, low-light video imaging applications.



### Applications:

- ▶ *Night-time News Gathering*
- ▶ *Government Surveillance Video*
- ▶ *Law Enforcement*

**Night Vision**  
**Electrophysics**  
CORP.  
*For a better view of the work you do!*

*The AstroScope 9323B fits easily between the camera's objective lens and body and amplifies the reflected light from the objects being viewed. For those situations having essentially no ambient light, a bore-sighted infrared light source is available as an option that covertly illuminates the dark areas with an invisible light beam. The AstroScope then converts this infrared light to visible so that it can be imaged by the camera.*

# AstroScope 9323B

## ▼ PRODUCT DESCRIPTION.....

### HIGHEST PERFORMANCE FOR NIGHT-TIME VIDEO IMAGING!

Designed for dedicated use on 2/3" bayonet-mount ENG/EFP cameras, the **AstroScope 9323B** offers the professional videographer the absolute highest possible performance at night for this configuration.

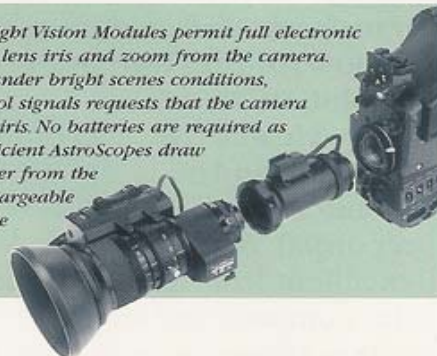
### IT'S EASY TO USE TOO!

Despite its complexity, the **AstroScope** is easy to use and requires no set-up, calibration or training. Simply i) remove the camera's objective lens and disconnect the lens cable from the camera body, ii) attach the 9323B Module to the camera's lens mount, iii) attach the Module's lens/power cable to the camera body jack, iv) reattach the objective lens to the front of the **AstroScope** module, v) attach the lens cable plug to the module's lens jack. Compose the subject as usual and image in absolutely the lowest light level ever!

### USES STANDARD 2/3" BAYONET OBJECTIVE LENSES

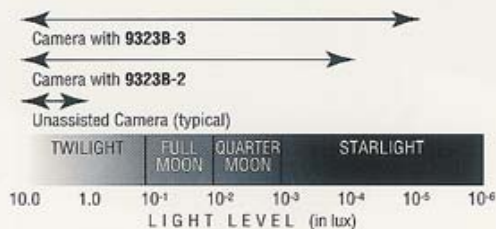
Because the **AstroScope** incorporates 2/3" lens mount technology, it can be used with the highest performance camera lenses.

*The 9323B Night Vision Modules permit full electronic control of the lens iris and zoom from the camera. In addition, under bright scenes conditions, module control signals requests that the camera close the lens iris. No batteries are required as the energy-efficient AstroScopes draw minimal power from the camera's rechargeable battery via the lens cable connection.*

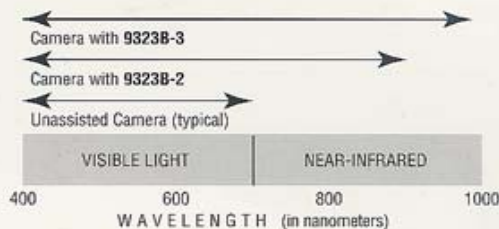


## ▼ TECHNOLOGY.....

The **AstroScope 9323B** greatly extends the camera's usable light range. As indicated below, the 9323B-3 extends the lowest light level to less than 0.00001 lux (0.0001 lux for the 9323B-2)! And with the optional IR Laser illuminator, both devices can be used in total darkness.



Additionally, the **AstroScope 9323B** extends the camera's spectral response to see beyond the visible spectrum into the near-infrared wavelength range. As shown below, the 9323B-3 extends the spectral response to 980nm (900nm for the 9323B-2).



## ▼ SPECIFICATIONS.....

### Intensifier Technology:

- 9323B-3: 18mm GEN III, GaAs photocathode  
Visible to 980nm response
- 9323B-2: 18mm GEN II+, Multi-alkali photocathode  
Visible to 900nm response

**Weight:** 23 oz

**Dimensions:** 3 1/4" x 5.4" DxL (eff.)

**Power:** 300mW (50mA)

**Housing:** Epoxy-coated black aluminum

**System magnification (excl. lens mag.):** 1X

**System resolution:** Up to 450 TV lines

**Objective Lens Mount:** 2/3" Bayonet female (B4 Type)

**Camera Lens Mount:** 2/3" Bayonet male (B4 Type)

**Connections:** 12-pin jack (attach lens cable)

12-pin plug on 6' cable (attach to camera)

Specifications are subject to change without notification.

**Export Limitations:** As these devices utilize state-of-the-art technology that is under the control of the US State Department, exportation requires proper licensing from the Defense Trade Commission.



*For a better view of the work you do!*

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