



AstroScope™ Night Vision

for High Definition Camcorders

Convert Your High-End Video Camcorder into a High Performance Night Vision System with AstroScope

The AstroScope is a high-performance night vision module that transforms dark scenes (below 10^{-4} lux) into bright, high-resolution images. The AstroScope Night Vision Camcorder assemblies are specifically designed for many fixed-lens camcorders to produce high-quality video under very demanding conditions.

At the heart of the AstroScope system is a high-performance Gen III Central Intensifier Unit (CIU). AstroScope's modular design enables the user to easily transfer the CIU to other platforms such as Canon® and

Nikon® digital SLR cameras as well as other model camcorders, or to use it as a portable handheld pocketscope.

AstroScope was the first HD night vision camera system. These specifically-designed modules for popular Canon®, Panasonic®, JVC® and Sony® high-definition prosumer camcorder models produce high quality, high resolution night-time HD video.

When you need the shot, AstroScope delivers.



9350BRAC-37



9350BRAC-30



9350BRAC-43



9350BRAC-46



9350BRAC-HPX250



9350BRAC-HMC/HPX



9350BRAC-EX1, EX1R or EX3



9350BRAC-XF100/5



9350BRAC-NX5U



9350BRAC-XA10 & XA25



9350BRAC-Z7



9350BRAC-62



SOFRADIR-EC Night Vision Imaging
formerly Electrophysics Night Vision Imaging

AstroScope™ Night Vision

for High Definition Camcorders

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 high-performance lenses to shoot full-frame images at distances beyond 1000 meters!

AstroScope's modular design enables you to easily transfer the image intensifier to other camera platforms including Canon® SLR, Nikon® SLR, and fixed lens camcorders. We have models that feature 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

- ◆ Use high-performance objective lenses
- ◆ No vignetting on most platforms
- ◆ Installs in less than 30 seconds



Your AstroScope can be reconfigured into these configurations with the addition of the appropriate adapters



AstroScope for
CCD Cameras



AstroScope for
SLR Cameras

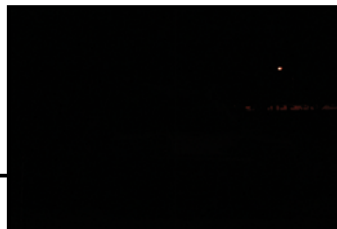


AstroScope 9350
Night Vision Pocketscope

Experience
the difference.

See 8 to 10 F-stops more light!

Without AstroScope



With AstroScope



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS.



SOFRADIR-EC Night Vision
Imaging
formerly Electrophysics Night Vision Imaging

AstroScope™ Night Vision

for High Definition Camcorders

AstroScope Camcorder Adapters

Select one or more adapters (Also requires CIU and Objective Lens shown in the separate tables)

| ITEM | DESCRIPTION |
|--|---|
| Adapters for 62mm Camcorders 9350BRAC-62 Standard – Part #: 915492 9350B-62V Variable Gain – Part #: 915493 | AstroScope Night Vision Adapter Kit for high-definition video (HDV) camcorders with 62mm filter thread |
| Adapters for 46mm Camcorders 9350BRAC-46 Standard – Part #: 915113 9350B-46V Variable Gain – Part #: 915119 | AstroScope Night Vision Adapter Kit for high-definition video (HDV) camcorders with 46mm filter thread |
| Adapters for 43mm Camcorders 9350BRAC-43 Standard – Part #: 915198 9350B-43V Variable Gain – Part #: 915197 | AstroScope Night Vision Adapter Kit for high-definition video (HDV) camcorders with 43mm filter thread |
| Adapters for 37mm Camcorders 9350BRAC-37 Standard – Part #: 914885 9350B-37V Variable Gain – Part #: 915079 | AstroScope Night Vision Adapter Kit for high-definition video (HDV) camcorders with 37mm filter thread |
| Adapters for 30mm Camcorders 9350BRAC-30 Standard – Part #: 914884 9350B-30V Variable Gain – Part #: 915076 | AstroScope Night Vision Adapter Kit for high-definition video (HDV) camcorders with 30mm filter thread |
| Adapters for Canon XF100 or XF105 9350BRAC-XF100/5 Standard – Part #: 915272 9350B-XF100/5V Variable Gain – Part #: 915278 | AstroScope Night Vision Adapter Kit for Canon® XF100 or XF105 camcorder |
| Adapters for Sony EX1 9350BRAC-EX1 Standard – Part #: 915915 9350B-EX1/V Variable Gain – Part #: 915088 | AstroScope Night Vision Adapter Kit for Sony® PMW-EX1 camcorder |
| Adapters for Sony EX1R 9350BRAC-EX1R Standard – Part #: 915207 9350B-EX1RV Variable Gain – Part #: 915206 | AstroScope Night Vision Adapter Kit for Sony® PMW-EX1R camcorder |
| Adapters for Sony EX3 9350BRAC-EX3 Standard – Part #: 915049 9350B-EX3/V Variable Gain – Part #: 915091 | AstroScope Night Vision Adapter Kit for Sony® PMW-EX3 camcorder |
| Adapters for Sony NX5U 9350BRAC-NX5U Standard – Part #: 915232 9350B-NX5U/V Variable Gain – Part #: 915307 | AstroScope Night Vision Adapter Kit for Sony® HXR-NX5U camcorder |
| Adapters for Panasonic HPX250 or AG-AC130A 9350BRAC-HPX250 Standard – Part #: 915327 9350B-HPX250V Variable Gain – Part #: 915333 | AstroScope Night Vision Adapter Kit for Panasonic® AG-HPX250, AG-AC130A high-definition camcorder |
| Adapters for Panasonic HMC-150 or HPX170 9350BRAC-HMC/HPX Standard – Part #: 914934 9350B-HMC/HPXV Variable Gain – Part #: 915095 | AstroScope Night Vision Adapter Kit for Panasonic® AG-HMC150, AG-HPX-170 camcorders |
| Adapters for JVC GY-HD250 9350BRAC-JVC Standard – Part #: 914908 9350B-JVC/V Variable Gain – Part #: 915101 | AstroScope Night Vision Adapter Kit for JVC® GY-HD250U high-definition video (HDV) camcorder with 82mm filter thread lens |
| Adapters for Sony V1U 9350BRAC-V1U Standard – Part #: 915253 9350B-V1U/V Variable Gain – Part #: 915260 | AstroScope Night Vision Adapter Kit for Sony® HVR-V1U camcorder |
| Adapters for Sony Z7U 9350BRAC-Z7U Standard – Part #: 914913 8350B-Z7U/V Variable Gain – Part #: 915082 | AstroScope Night Vision Adapter Kit for Sony® HVR-Z7 high-definition video (HDV) camcorders |

BRAC Adapters can be configured to include an integrated 1X high performance lens in place of removable lens type (see 9350FLA-PVS).

AstroScope™ Night Vision

for High Definition Camcorders

AstroScope Central Intensifier Unit (CIU) Options

| ITEM | DESCRIPTION |
|--|--|
| Gen III Aviation 9350CIU-3A Standard - Part #: 914365 9350CIU-3AV Variable Gain - Part #: 914984 | Super high performance-grade, thin-filmed, auto-gated 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. Aviation-grade image intensifiers are subject to limited availability. Available in standard and variable gain controllable. |
| Gen III Pinnacle 9350CIU-3N Standard - Part #: 914248 9350CIU-3NV Variable Gain - Part #: 914986 | Exceptional-grade, thin-filmed, auto-gated, third-generation image intensifier, specially selected for the most demanding military applications. State-of-the-art sensitivity, resolution and contrast, with built-in technology designed to reduce halos and blooming effects. Available in standard and variable gain controllable. |
| Gen III Omni IV 9350CIU3-IV Standard - Part #: 914065 9350CIU3V-IV Variable Gain - Part #: 914985 | Specially selected, third-generation image intensifier. Military-grade sensitivity, resolution and contrast. Available in standard and variable gain controllable. |
| Gen III Intl 9350CIU-3F-1600 Standard - Part #: 914399 9350CIU-3FV-1600 Variable Gain - Part #: 914982 9350CIU-3F-1400 Standard - Part #: 914238 9350CIU-3FV-1400 Variable Gain: Part #: 915234 | Specially selected, third-generation image intensifier for international customers requiring Gen III quality. Available in standard and variable gain controllable. |

Objective Lens Options

| ITEM | DESCRIPTION |
|-----------------------|---|
| Part #: 914309 | 8 mm F1.3 C-mount Objective Lens |
| Part #: 915229 | 25 mm F1.8 C-mount Objective Lens |
| Part #: 903020 | 50 mm F1.3 C-mount Objective Lens |
| Part #: 914029 | 75 mm F1.3 C-mount Objective Lens |
| Part #: 908000 | 135 mm F2.8 C-mount Objective Lens |
| Part #: 908006 | 12.5-75 mm F1.2 C-mount Objective Zoom Lens |
| 9350FLA-PVS | Front Lens Adapter that includes an integrated 26mm F1.2 1X High performance Night Vision Objective Lens. Replaces the 9350FLA included in the standard bracket adapter, eliminating the need for a C-mount lens. |

Export of this product is controlled by the US State Department. Prior authorization is required for re-export or transfer.

Please call us to discuss the wide variety of AstroScope components available to meet your specific requirements (including support for camcorders not listed here).