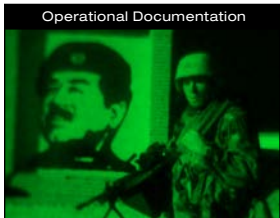


# AstroScope™ Night Vision

for Panasonic High Definition Camcorders



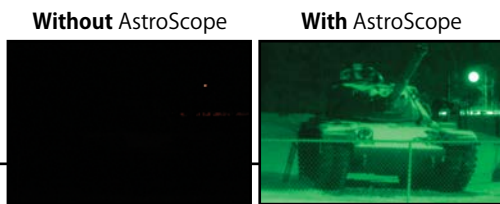
## Convert Your High-End Panasonic Video Camera Into a High-Performance Night Vision System.

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

The heart of the AstroScope system is the Gen III Central Intensifier Unit (CIU). AstroScope's modular design enables you to expand your capabilities by allowing you to easily transfer the image intensifier to other platforms.

### Experience the difference.

See 8 to 10 F-stops more light!



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS.

Additionally, Sofradir EC now offers the world's first HD night vision camera systems. Specifically designed for popular Panasonic® high-definition prosumer camcorder models, they produce high-quality, high-resolution night-time video.

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

When you need to get the shot, AstroScope delivers.

Features	Benefits
• Professional-Grade Accessory	• Designed for use in field environments, the AstroScope system is rugged, compact and versatile.
• Modular Design	• 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 CCD camera night vision setup).
• Improved Low-light Performance by 8 to 10 F-stops!	• Capture bright, tack-sharp, edge-to-edge image detail. The AstroScope system is the highest performance design available for night vision photography.
• User-Friendly Design	• No special setup, calibration or operator training required. Simple, field-expedient configuration and operation.



**SOFRADIR-EC** Night Vision Imaging  
formerly Electrophysics Night Vision Imaging

# AstroScope™ Night Vision

## for Panasonic 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 CCD cameras and pocketscope assemblies.

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

## Alternative AstroScope Configurations

### Night Vision for Digital SLR Cameras



Canon EOS DSLR

Nikon DSLR



### Night Vision for Pocketscope

Also converts to a pocketscope for handy night-time viewing!

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

AstroScope Camcorder Adapters Select one or more adapters (Also requires CIU and Objective Lens shown in the separate tables)	
<b>9350BRAC-30</b> Part #: 914884 9350B-30V- Variable Gain P/N: 915076	AstroScope Night Vision Adapter for 30mm HD camcorders. Includes back body adapter with relay optic and locking ring to attach to camcorder and front c-mount lens adapter. Requires CIU and lens for operation.
<b>9350BRAC-37</b> Part #: 914885 9350B-37V – Variable Gain P/N: 915079	AstroScope Night Vision Adapter for 37mm camcorders. Includes back body adapter with relay optic and locking ring to attach to camcorder and front c-mount lens adapter. Requires CIU and lens for operation.
<b>9350BRAC-43</b> Part #: 915198	AstroScope Night Vision Adapter Kit for 43mm High-Definition Video (HDV) Camcorders. Includes Relay lens with locking ring, Back Body Adapter (EPA), C-Mount Front Lens Adapter (FLA), and two AAA batteries.
<b>9350BRAC-HPX250</b> Part #: 914743	AstroScope Night Vision Adapter Kit for Panasonic® AG-HPX250 High-Definition Camcorder. Includes Relay Lens, Base Bracket, Back Body Adapter (EPA), C-Mount Front Lens Adapter (FLA), and two AAA batteries.
<b>9350BRAC-HMC/HPX</b> Part #: 914934	AstroScope Night Vision Adapter Kit for Panasonic® AG-HMC150, AG-HPX-170 Camcorders. Includes Relay Lens, Base Bracket, Back Body Adapter (EPA), C-Mount Front Lens Adapter (FLA), and two AAA batteries.

AstroScope Central Intensifier Unit (CIU) Options	
ITEM	DESCRIPTION
<b>Gen III Aviation</b> Model #: 9350CIU3-A Part #: 914365 Model #: 9350CIU3-AV (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.
<b>Gen III Pinnacle</b> Model #: 9350CIU3-N Part #: 914248 Model #: 9350CIU3-NV (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!
<b>Gen III Omni IV</b> Model #: 9350CIU3-IV Part #: 914065 Model #: 9350CIU3V-IV (variable gain) Part # 914985	Specially selected, third-generation image intensifier. Military-grade sensitivity, resolution and contrast.

Objective Lens Options	
ITEM	DESCRIPTION
<b>Part #: 914309</b>	8 mm F1.3 Lens
<b>Part #: 915229</b>	25 mm F1.8 Lens
<b>Part #: 903020</b>	50 mm F1.3 Lens
<b>Part #: 914029</b>	75 mm F1.3 Lens
<b>Part #: 908000</b>	135 mm F2.8 Lens
<b>Part #: 908006</b>	12.5-75 mm F1.2 Zoom Lens
<b>9350FLA-PVS</b>	Front Lens Adapter that includes an integrate 23mm F1.3 1X High performance Night Vision Optic. Replaces the 9350FLA included in the standard bracket and eliminates 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.

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