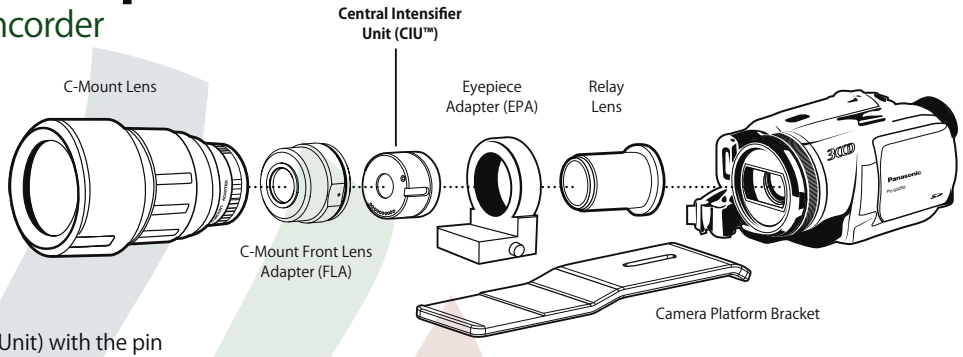
START HERE

Assemble the AstroScope™

for the Panasonic PV-GS250 Camcorder



Use the following procedure to install the hardware:

1. Turn the knurled knob on the 9350EPA (Eye Piece Adapter) battery compartment to release the door and then insert two AAA batteries (proper orientation is depicted on the label located inside).
2. Align the groove on the CIU (Central Intensifier Unit) with the pin located on the inside wall of the 9350FLA-C (C-Mount Front Lens Adapter) and then slide the CIU into the FLA. **CAUTION: Do not touch the optical surfaces.**
3. Align the pin located on the inside ring of the 9350EPA with the hole positioned on the rear face of the CIU and then fasten the 9350FLA-C onto the 9350EPA by tightening the threaded ring (face the 9350FLA-C forward and then gently turn the 9350EPA ring clockwise).
4. Thread the Relay Optic to the back of the 9350EPA and then mount the 9350EPA assembly to the top-front of the Platform Bracket by **loosely** threading the captive thumbscrew.
5. Mount the camera to the rear of the Platform Bracket by **loosely** threading the captive thumbscrew into the camera's tripod mount.
6. Gently slide the 9350EPA assembly back to mate the Relay Optic with the video camera's filter thread mount, tighten the relay optic threaded ring, and then tighten both Platform Bracket thumbscrews.
7. Thread the C-Mount Objective Lens to the front of the 9350FLA-C.

Read the *AstroScope Night Vision Operating Manual* (EC PN 080526) to familiarize yourself with all requirements, cautions, and warnings, before you operate the equipment.

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Configure the Camera for Night Vision Operation

Use the following procedure to configure the video camera for use with the AstroScope system:

1. To activate the Night Vision unit, turn the 9350EPA Power switch (knob) to select the **On** position.
2. Turn the video camera on and use the camera's zoom feature to produce a full-frame image without vignetting. (Zoom in until you just eliminate the circular effect.)
3. To set the focus, select **Manual** focus mode in the camera, view an object approximately 15 feet away, and then adjust the **camera-integrated lens focus ring** to achieve the sharpest image detail.
4. To image a low-light scene, adjust the zoom and correct the focus **using the C-mount objective lens rings**.

NOTES:
Be sure to select an objective lens that will produce the optimal magnification for your application.

Electrophysics does not recommend using the video camera's zoom feature with the AstroScope Night Vision adapter (after achieving the initial adjustment detailed in Step 2) because the resulting image quality will be reduced. To produce the best image quality, manually open the iris fully, adjust the zoom, and correct the focus **using the C-mount objective lens**.

For more detailed information about setting options in your specific camera, refer to the operating manual provided by the manufacturer.

HINTS:
Use the C-mount objective lens to "zoom in" on an object located at the furthest acceptable range, adjust the focus to achieve a clear sharp image, and then "pull wide" (adjust the zoom for a wider field-of-view). Generally, subjects located within this range will appear sharp.

The 9350EPA will accept the FLA (Front Lens Adapter) from an AstroScope 9350 designed for use with a Nikon® or Canon® SLR camera. If you own a 9350NIKS-P or a 9350EOS-P, you can use your existing high-performance objective lenses.

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www.militaryandlaw.com.au/page/9350_camcorder.html

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