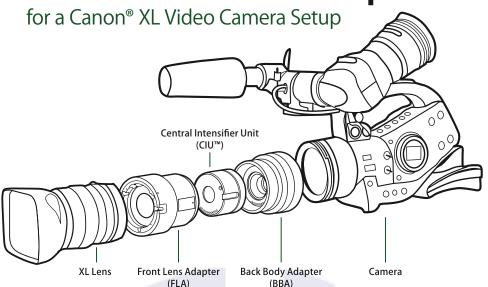
START HERE

Assemble the AstroScope[™]



The 3 AstroScope pieces are "keyed" for easy assembly. Use the following procedure to install the hardware:

- Align the groove on the CIU with the pin located on the inside wall of the FLA and then slide the CIU into the FLA. CAUTION: Do not touch the optical surfaces of the CIU.
- 2. Align the pin located on the inside ring of the BBA with the hole positioned on the rear face of the CIU and then fasten the BBA onto the FLA by tightening the threaded ring (face the FLA forward and then gently turn the ring clockwise).
- 3. Turn the Recording Program rotary dial to select **OFF**, and then mount the AstroScope (BBA side) to the camera body just as you would mount a lens directly to the camera (refer to the instructions provided by the camera manufacturer).
- 4. Mount a lens to the FLA just as you would mount a lens directly to the camera.

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

continued on reverse >



Configure the Camera for Night Vision Operation

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

- 1. Turn the Recording Program rotary dial to select **Manual** mode (the "M" position).
- 2. Set the Shutter Speed to **1/60** second (optionally, use **1/30** second to gather even more light).
- 3. Turn the Iris/Select rotary dial to select the **Maximum Lens Aperture** (lowest F-stop number) or the full wide open position (lower numbers allow the lens to gather more ambient light). If light conditions are too bright, gradually adjust the iris towards closed (increase the F-stop setting).
- 4. Using the White Balance knob, select the **Automatic** White Balance mode (the "A" position).
- 5. Set the ND (Neutral Density) Filter switch to **OFF** (slide switch is usually located on the lens body).
- 6. Set the Optical Image Stabilization switch to **ON** (slide switch is usually located on the lens body).
- 7. Set the Focus slide switch (usually located on the lens body) to **Manual** mode (the **"M"** position).
- 8. Using the Gain knob, select the **Automatic** Gain mode (the "A" position). In extreme low-light conditions, gradually increase the Gain setting (increments up to positive 12 dB). **CAUTION:** Increasing the Gain (sensitivity) also increases the level of noise, decreasing image quality.

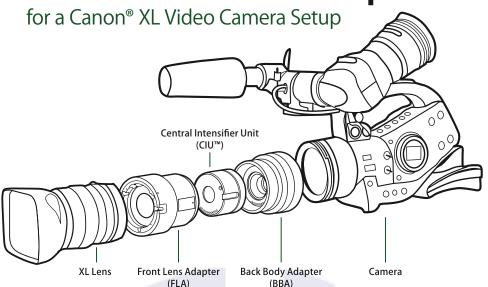
NOTE: If you use an XL-to-EOS adapter, you can mount SLR camera EOS lenses to the XL-series video cameras. This hybrid system configuration benefits from a 7.2X optical magnification factor (for example, using a 100–400mm EOS SLR lens is functionally equivalent to using a 720–2880 XL lens).

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



START HERE

Assemble the AstroScope[™]



The 3 AstroScope pieces are "keyed" for easy assembly. Use the following procedure to install the hardware:

- Align the groove on the CIU with the pin located on the inside wall of the FLA and then slide the CIU into the FLA. CAUTION: Do not touch the optical surfaces of the CIU.
- 2. Align the pin located on the inside ring of the BBA with the hole positioned on the rear face of the CIU and then fasten the BBA onto the FLA by tightening the threaded ring (face the FLA forward and then gently turn the ring clockwise).
- 3. Turn the Recording Program rotary dial to select **OFF**, and then mount the AstroScope (BBA side) to the camera body just as you would mount a lens directly to the camera (refer to the instructions provided by the camera manufacturer).
- 4. Mount a lens to the FLA just as you would mount a lens directly to the camera.

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

continued on reverse >



Configure the Camera for Night Vision Operation

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

- 1. Turn the Recording Program rotary dial to select **Manual** mode (the "M" position).
- 2. Set the Shutter Speed to **1/60** second (optionally, use **1/30** second to gather even more light).
- 3. Turn the Iris/Select rotary dial to select the **Maximum Lens Aperture** (lowest F-stop number) or the full wide open position (lower numbers allow the lens to gather more ambient light). If light conditions are too bright, gradually adjust the iris towards closed (increase the F-stop setting).
- 4. Using the White Balance knob, select the **Automatic** White Balance mode (the "A" position).
- 5. Set the ND (Neutral Density) Filter switch to **OFF** (slide switch is usually located on the lens body).
- 6. Set the Optical Image Stabilization switch to **ON** (slide switch is usually located on the lens body).
- 7. Set the Focus slide switch (usually located on the lens body) to **Manual** mode (the **"M"** position).
- 8. Using the Gain knob, select the **Automatic** Gain mode (the "A" position). In extreme low-light conditions, gradually increase the Gain setting (increments up to positive 12 dB). **CAUTION:** Increasing the Gain (sensitivity) also increases the level of noise, decreasing image quality.

NOTE: If you use an XL-to-EOS adapter, you can mount SLR camera EOS lenses to the XL-series video cameras. This hybrid system configuration benefits from a 7.2X optical magnification factor (for example, using a 100–400mm EOS SLR lens is functionally equivalent to using a 720–2880 XL lens).

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

