

AstroScope™ 8000



Configurable Night Vision Pocketscope Optimized for Video Operations

The AstroScope 8000 is a rugged pocketoscope designed for versatile night-time field observation and video recording. The AstroScope 8000 incorporates the same high quality Gen 3 image intensifier and focusable eye piece found in US military PVS-14 pocketscopes, but because of the integration of a C mount, enables the user to select the best lens for each mission. The rugged alloy housing makes the AstroScope 8000 ideal for field use.

In addition, the scope quickly transforms from a monocular device to a camera/camcorder attachment for night vision video collection. As such, the AstroScope 8000 system permits field personnel to extend the viability of their camcorder or CCD camera for nighttime use to capture high quality night vision video.

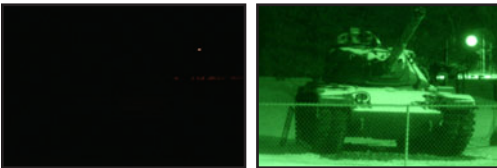
- ◆ Military and export FOM spec intensifiers offered
- ◆ Minimum part count
- ◆ Easy to configure in real life field conditions
- ◆ All alloy construction is nearly indestructible
- ◆ Special mission kits available
- ◆ Wide range of optics available

Experience the difference.

See 10 to 12 F-stops more light!

Without AstroScope

With AstroScope



BOTH SHOTS WERE TAKEN USING THE SAME CAMERA SETTINGS:
 Shutter Speed: 1/40; No Flash; Lens Aperture: F/5;
 Focal Length: 52 mm; ISO: 800; Exposure Comp: 0

Monocular Configuration



Same image performance as the PVS-14



Camcorder Configuration



Sony® model HDR-SR11 shown



CCD/CMOS Configuration



SunStar 300 shown



AstroScope™ 8000

Applications



Tactical


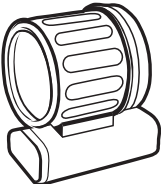
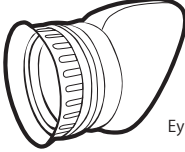


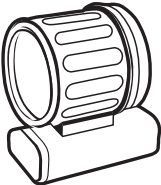
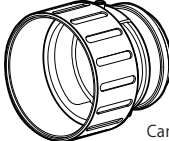
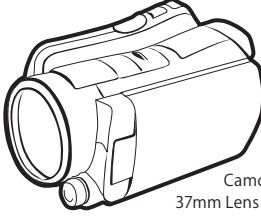
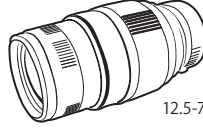
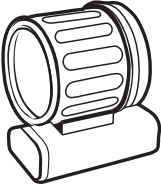
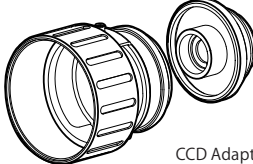
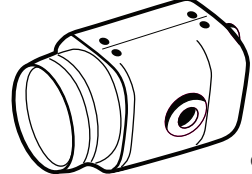
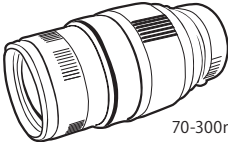
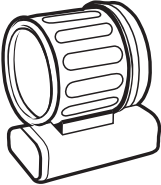
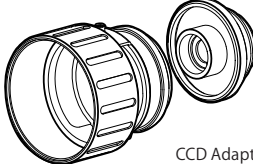
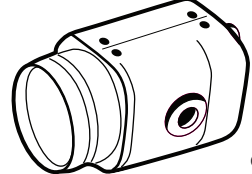
Public Affairs

Law Enforcement

News Gathering

Entertainment
Production

AstroScope 8000 Configurations

Lenses	AstroScope	Adapters	Viewers
 25mm		 Eye Piece	 Pocketscope Configuration
 50mm		 Camcorder Adapter	 Camcorder - 37mm Lens Thread
 12.5-70mm		 CCD Adapter	 C-Mount CCD/CMOS Camera
 70-300mm		 CCD Adapter	 C-Mount CCD/CMOS Camera

Ordering Information

ITEM	DESCRIPTION
AstroScope 8000 914898	High performance and configurable night vision pocketscope. Includes 25mm Objective Lens
AstroScope 8000 1250 914922	FOM 1250, Gen 3 image intensifier, Military-grade sensitivity resolution and contrast
AstroScope 8000 1600 914923	FOM 1600 Gen 3 image intensifier, Military-grade sensitivity resolution and contrast
50mm Lens 903020	50mm F1.4 lens with iris
12.5-70mm Lens 908006	12.5-75mm F1.2 zoom lens
70-300mm Lens 903026	70-300mm F4.5 zoom Lens
CCD Adapter 914901	CCD camera relay lens

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Entertainment Production application image from the History Channel television series *MonsterQuest: Tigers in the Suburbs* - © A&E Television Networks, LLC. All rights reserved.

Camcorder Target Resolution Calculator

Determine the optimum camera and lens combination for your application.

Camcorder Selection

Camera: Model:

Pixel Pitch (µm) H (µm) V (µm)

Number of Pixels H-pixel V-pixel

Detector Size (mm) H-size V-size

[If your camcorder's not listed? Try this calculator for your camcorder.](#)

[Click Here](#)

Field of View

Lens Focal Length

Field of View (FOV) (degrees) ° V-FOV D-FOV

Pixel Field of View (IFOV) (mrad) H-IFOV V-IFOV

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Calculator!

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