

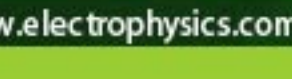


The AstroScope 9350SCOPE
[Learn more](#)

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Fall 2006

From the Editor

SEEING INTO THE FUTURE AS WELL AS INTO THE NIGHT

Advances in night vision technology are moving rapidly. Exciting developments including low-light digital imaging, fusing of thermal/visible images and smaller, lighter and more cost-effective thermal viewers are rolling out as you read this. As the premiere supplier of integrated night vision photography and video systems, we are working with new high-definition video cameras that capture improved video quality at reasonable costs. Be sure to check out our HD product introduction in the next newsletter segment.

Electrophysics offers a cost effective way to get digital imaging from state-of-the-art intensifiers with best-in-class resolution, using our patented AstroScope system and any Nikon or Canon SLR camera and most of the popular video cameras on the market.

Even with major advances in solid-state imaging including ICCD (Intensified CCD), EMCCD (Electron Multiplied CCD) and EBCCD (Electron Bombarded CCD) technology, the performance of image intensifiers continues to provide the best combination of cost, low power, performance and packaging and will likely continue to be the technology of choice in most portable imaging applications for many years to come.

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Complimentary Range Calculator

Electrophysics has developed a simple spreadsheet calculator that enables you to determine various resolution performance calculations.



[Get your Complimentary Range Calculator now!](#)

Interested in knowing how many pixels you can put on a target for a given camera and lens combination? Simply input one or two parameters into the calculator and your answer appears.

FEATURES:

- Calculate the field of view
- Determine the detection and recognition range based on simple criteria
- Determine what lens is needed for a camera to achieve range objectives

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High Definition Night Vision



Featured Product: 9350 BRAC-Z1U

New HD format cameras feature 720 line resolution (verses 480 line resolution for DV generation cameras) and a 16:9 HDTV image aspect format. Electrophysics has introduced a new night vision adapter for both the Sony Z1U and Panasonic AG-HVX200 that features our newly design modular pocketoscope and model specific mounting brackets.

The [9350 BRAC-Z1U](#) converts your high-end video camera into a high-performance night vision system. Specifically designed for the Sony HVR-Z1U, the 9350 BRAC-Z1U produces high-quality, high-resolution nighttime video. When you need the shot, AstroScope delivers.



Typical Night Vision



High-Definition Night Vision

[Learn more](#)

Call us at 800-759-9577 for more details and to schedule a demonstration.

Night vision photo courtesy of the Joint Combat Camera Center. SONY is a registered trademark of Sony Corporation or any of its affiliates. Panasonic is a registered trademark of Matsushita Electric Industrial Co., Ltd.

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Announcing the NEW AstroScope Pro Line

Specifically designed for law enforcement professionals, the AstroScope Pro-Line features the same quality camera adapters as our military systems with quality Gen III image intensifiers designed to work well in typical criminal investigation applications.

9350SCOPE MODULAR NIGHT VISION POCKETSCOPE

Many customers like the flexibility and convenience of incorporating their PVS-14 pocketoscope with cameras. However in many cases this is complicated, and the performance is limited.

[Electrophysics' 9350SCOPE™](#) modular pocketoscope features a small form factor that is designed for easy mating with cameras and camcorders. Our modular approach is unique in the industry and thousands of users continue to use the flexibility of moving a high performance intensifier between mission specific camera platforms.



FEATURES:

- Modular Design enables integration of Gen III image intensifiers with video, photography and CCTV camera platforms
- Custom front end mates with Canon, Nikon or standard C-mount lenses
- Rugged alloy construction
- Wide offering of custom brackets for popular camcorder including new HD models

[Learn more](#)

Call us at 800-759-9577 for the dealer nearest you.

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In The News

Investigator Robert Kramer of the Cedar Falls PD describes how the AstroScope was used successfully in a pedophile investigation.

[Read the article online](#)

IMAGING TECHNOLOGY
By Robert Kramer

Capturing critical images in low light

Nighttime photography can truly be a tricky task. Low-light conditions, traffic, moving crime scenes, weather and movement within the scene are issues to consider when going about the task of recording a scene with a camera after nightfall. One of the most important factors photographers must take into account is how to capture the scene in low light.

As an accident and crime scene photographer, yet the method is altogether different. In nearly all investigations involving surveillance, it is critically important officers avoid detection by the suspect. Even in daylight, law enforcement officers experience difficulty obtaining clear images from camera sensors and to make the most of the available light.

Focusing in on AstroScope
The nighttime surveillance photographer must rely on existing ambient light to illuminate the scene — not a flash. The AstroScope night vision module from Electrophysics Corp., located in Fairfield, New Jersey, allows the photographer to do just that. The AstroScope module allows the user to capture images in low light conditions.

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[Learn more about how night vision works](#)

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Mark Your Calendar

The Government Video and Technology Expo is the East Coast's largest video and multimedia conference and exhibition.

The Expo serves the equipment and educational needs of professionals working with video, audio, multimedia, conferencing technologies and broadcast in the federal, state, and local government and law enforcement.

For more information and to register: www.qvexpo.com

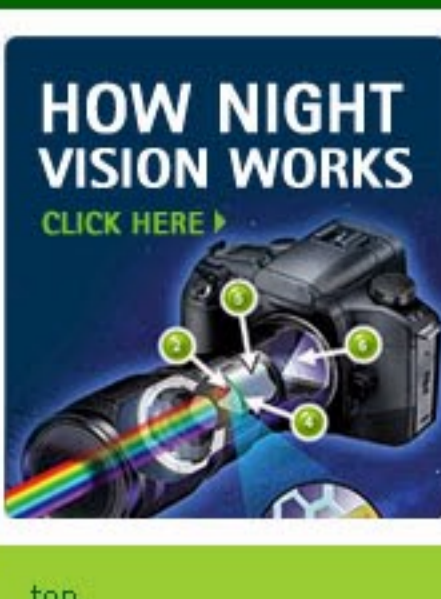


DECEMBER 6TH-7TH, 2006
Washington D.C. Convention Center, Washington D.C.

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