

# VERSATILE **24/7** IMAGING

Capture high contrast and high resolution imagery from bright sunlight to the very lowest-light night environments, with the versatile digital high definition CMOS Night Observation Device.

**SEESPOT &  
RECORDING  
CAPABILITY**



## **CNOD**

**Built in partnership with Rochester Precision Optics**

The CNOD provides two functions in a single device at the fraction of the cost of similar systems currently on the market. Usable as a clip-on or stand alone weapon sight for 24/7 high definition operation, the CMOS Night Observation Device enables militaries around the world, including the US Army, to expose the hidden detail in any environment.

# Photonis is the award-winning provider of the CMOS Night Observation Device – the world's first 24/7 day-to-night digital handheld weapon sight.

- Fully digital system, no intensifier tubes
- Monocular, clip-on sight or stand alone sight
- 500 nm to 1080 nm wavelength range
- 6 x internal digital zoom
- Perfect picture day and night
- Capture and record images and video
- Shockproof up to .30 cal
- Accessories for modular application
- Environmentally tested to MIL-STD-810G
- Deployed by NATO forces



TECHNOLOGY	
Sensor	Lynx CMOS
Format	HD (picture and video mode)
Light Sensitivity	Approx. Quarter Moon
Spectral Range	500 nm - 1080 nm
Frame Rate	Up to 60 Hz with full field resolution
OPTICAL PERFORMANCE	
Field of view	22.6°
Focal Length	40 mm
F/#	1.2
Focus	Medium to long range
Magnification	1x unity
Digital zoom	2x, 4x, 6x
POWER	
Powersupply	2x CR123
Autonomy	ca. 4 hours in full use (at 23° C)
DIMENSIONS	
Length	140 mm
Width	81 mm
Height	64 mm
Weight	540 g with batteries and rail mount
OPERATING PERFORMANCE	
Detection	> 750 meters
Recognition	> 200 meters
Laser detection	RSM Version to 2.5 km   LD Version > 2.5 km (ITAR)
Internal memory	14 GB SD-card (non-swappable)
ENVIRONMENT	
Dayscope zoom	1x - 2x (optical)
Dayfilter	Firing compatible
Reticle	MIL-X, MIL-D or MIL-O
Rail mount	Picatinny or Larue mount
Submersion	IP-68 (1 meter)
Weapon shock	Small arms, M4 / M16 / M110, .300 Win, .338 LM

## Photonis Netherlands B.V.

Dwaziewegen 2,  
9301 ZR Roden,  
Netherlands  
T +31 (0)505 01 88 08  
F +31 (0)505 0114 56  
E nightvision@photonis.com  
W www.photonis.com

## Photonis Technologies S.A.S.

Avenue Roger Roncier,  
19100 Brive-la-Gaillarde,  
France  
T +33 (0)555 86 37 00  
F +33 (0)555 86 37 74  
E nightvision@photonis.com  
W www.photonis.com

## Photonis Digital Imaging, LLC

6170 Research Rd, Suite 208  
75033 Frisco, TX  
USA  
T +1 (469) 713-6108  
F +1 (469) 713-2880  
E imaging@photonis.com  
W www.photonis.com

[www.photonis.com](http://www.photonis.com)

Photonis Technologies S.A.S. The information furnished is believed to be accurate and reliable, but is not guaranteed and is subject to change without notice. No liability is assumed by Photonis for its use. Performance data represents typical characteristics as individual product performance may vary. Customers should verify that they have the most current Photonis product information before placing orders. No claims or warranties are made as to the application of Photonis products. Pictures may not be considered as contractually binding. This document may not be reproduced, in whole or in part, without the prior written consent of Photonis.