

NOCTURN™

24/7
VERSATILE
IMAGING



Day-through-night surveillance

Be the first to see with Photonis Digital Vision

Designed for crystal clear imagery in day-through-night lighting conditions, Photonis technology offers a wide variety of imaging products with high resolution, high frame rates and low light capabilities.

With a number of interfaces and digitally recordable options, NOCTURN cameras are ideal for surveillance & security applications, industry & research projects and mobile use.

NOCTURN™ Imaging Sensors

Photonis NOCTURN cameras are equipped with one of two patented digital CMOS imaging sensors – the Lynx sensor for monochrome output or the Kameleon sensor for full colour even in very dark conditions. Both sensors can be integrated in Night Vision, Homeland Security, Surveillance and Scientific applications. Since its launch, NOCTURN sensors have successfully been used in hand held observation devices, digital sights, vehicle situational awareness devices, unmanned aerial vehicle (UAV) cameras and more.

These solid-state CMOS sensors provide excellent imaging from daylight to low-light levels – such as those found during a quarter moon. The CMOS pixel architecture offers the best compromise between inherent signal-to-noise ratio (SNR), high resolution and intra-scene dynamic range. With total read-out noise below 4 e⁻ without cooling, the Lynx and the Kameleon CMOS video processing electronic boards (NOCTURN camera core) facilitate integration into a wide range of compact imaging systems. This allows ideal detection recognition and identification that can be transmitted or recorded.



NOCTURN LYNX



NOCTURN KAMELEON

Operate in **full colour**

ULTRA COMPACT

Lightweight and small size

ALL LIGHTING CONDITIONS

From daylight to bright starlight

MILITARY GRADE RUGGEDIZED

For added durability



MEGA PIXELS CMOS

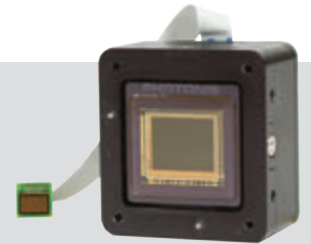
Superior colour imaging

ALL LASER LINES COMPATIBLE

For total laser detection

EASY INTERFACE

USB control link



XS NOCTURN XS

Digital Video Output: CameraLink® Compatible or parallel LVCMOS The NOCTURN XS Camera is powered by the Lynx CMOS imaging sensor, optimised for low light level imaging*.

XL NOCTURN XL

Digital Video Output: 10/8-bit CameraLink® Compatible Analog Video Output: NTSC/PAL (user selectable) The NOCTURN XL Camera is powered by the Lynx CMOS imaging sensor, optimised for low light level imaging*.

MD NOCTURN MD

Analog Video Output: User-selectable NTSC/PAL. The NOCTURN MD Camera is powered by the Lynx CMOS imaging sensor, optimised for low light level imaging*.



GP NOCTURN GP

Digital Video Output: Monochrome; 8/10-bit monochrome over GigE Vision. Colour; Monochrome 8/10-bit monochrome, Colour 24 bit YCbCr (4:2:2) or YUV (4:2:2) over GigE Vision. The NOCTURN GP Camera uses the power of the Kameleon Colour CMOS imaging sensor, or the Lynx monochrome sensor, both optimised for low light level imaging.

U3 NOCTURN U3

Digital Video Output: Monochrome; 8/10-bit over USB3. Colour; Monochrome 8/10-bit over USB3 or 24-bit YCbCr or YUV (4:2:2 format) over USB3. The NOCTURN U3 Camera uses the power of the Kameleon Colour CMOS imaging sensor, or the Lynx monochrome sensor, both optimised for low light level imaging.

HD SDI NOCTURN HD-SDI

Video Output: HD-SDI 720p 60 Hz The NOCTURN HD-SDI Camera uses the power of the Kameleon Color CMOS imaging sensor, or the Lynx monochrome sensor, both optimised for low light level imaging.

PHOTONIS

Digital Vision

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