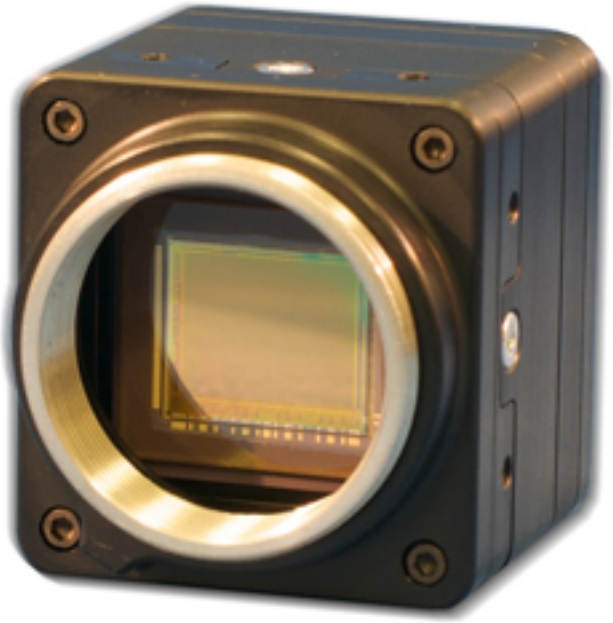
Low-Light CMOS Camera



PHOTONIS introduces NOCTURN, a digital extreme low-light CMOS camera. The NOCTURN camera is designed for high performance under both daylight and low-light level conditions. NOCTURN fits applications where high-resolution detection and ultra-high sensitivity are required under 24/7 conditions. The NOCTURN is a rugged low-light camera module that features high-definition resolution, high sensitivity and high dynamic range with low power consumption. It provides monochrome real-time imaging capabilities—from daylight to bright starlight— in the visible and near infrared spectrum. NOCTURN is powered by the PHOTONIS Lynx CMOS sensor. The sensor enables the camera to provide a consistent read noise below 4e- at rates up to its full 100 fps, with superior signal-to-noise performance due to its large 9.7µm2 pixels and high fill factor. The Lynx CMOS is a solid state sensor with full SXGA resolution (1280 x 1024) that operates in both daylight and low-light levels as low as bright starlight.

NOCTURN family of cameras starts its offering with two versions: the XS model, which provides the basic module for custom system integration, and the XL, which provides full connectivity via USB, NTSC/PAL or a CameraLink compatible platform. Additionally, the camera is equipped with a range of on-board image correction features to optimize the image as required.

PHOTONIS USA, 508 347 4000, www.photonis.com [1]

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