

ULTRA SENSITIVE
INTENSIFIED CAMERA

PHOTONIS
EXOSSENS GROUP

iNocturn Series



*DETECT DIFFERENT RANGES OF
WAVELENGTHS FROM UV TO NIR*

KEY FEATURES



**PHOTONIS EXPERTISE COMBINING
IN-HOUSE IMAGE INTENSIFIER
TUBE + CMOS SENSOR**



ULTRA SENSITIVE



HIGH SPATIAL RESOLUTION



GATING CAPABILITY

The superior intensified camera extracting the best of image intensifier tube and sensitive low light camera

The iNocturn series features a unique combination of ultra-sensitivity, low SWaP, high frame rate, high-QE photodetectors, and nano-second gating



iNocturn Series

SPECIFICATIONS

Camera resolution	1280 x 1024 pixels
Frame rate	Up to 100 fps at full resolution
Spectral range	200 – 1100 nm subject to photocathode choice
Gating options	Gated or non-gated
Minimum detection capability	Up to single photon
Connection	PAL/NTSC, CameraLink, HD-SDI, USB 3.0, LVC MOS
Lens mount	C-mount
Operational temperature	-10 C to +55 C

Key technical features

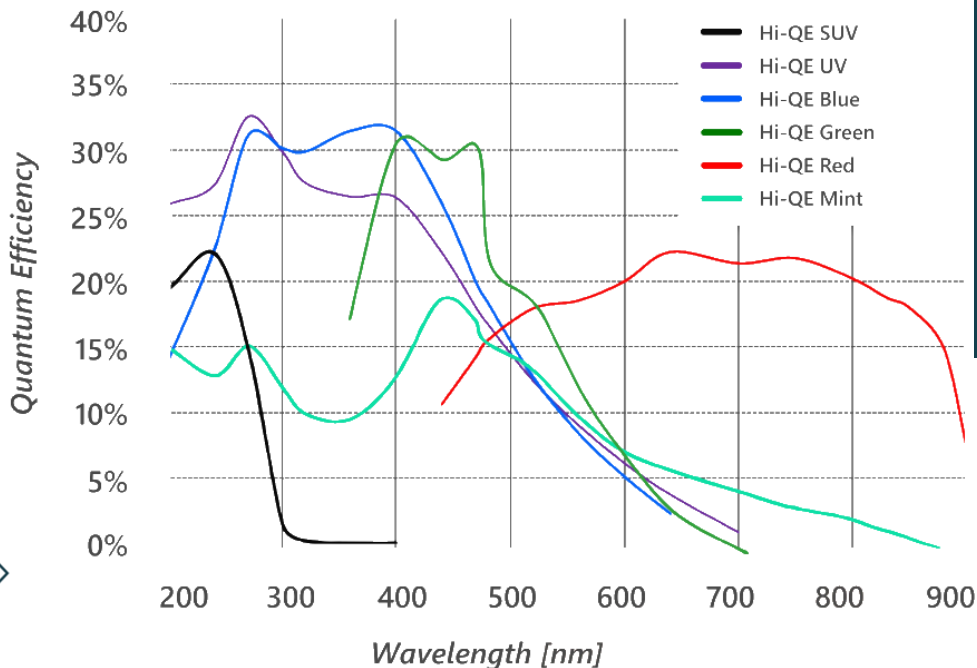
- ◆ Gating capability
- ◆ Video output: HD-SDI, Camera Link or PAL/NTSC

Applications

- ◆ Night Vision Imaging
- ◆ Early Missile Detection
- ◆ Armor Vehicle
- ◆ Surveillance Operation

VARIOUS PHOTOCATHODES FOR TARGETED WAVELENGTH DETECTION

HI-QE Photocathodes



Thanks to a choice of various photocathodes, the iNocturn covers different ranges of wavelengths from UV to Near Infrared enabling the user to focus on a specific range of wavelength for a particular application

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EXOSENS
 REVEAL THE INVISIBLE