

ULTRA SENSITIVE  
INTENSIFIED CAMERA

**PHOTONIS**  
EXOSENS GROUP

# iNocturn Series



*HIGH SENSITIVITY CAMERA WITH FAST  
GATING CAPABILITY*

## 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, LVCMOS
Lens mount	C-mount
Operational temperature	-10 C to +55 C

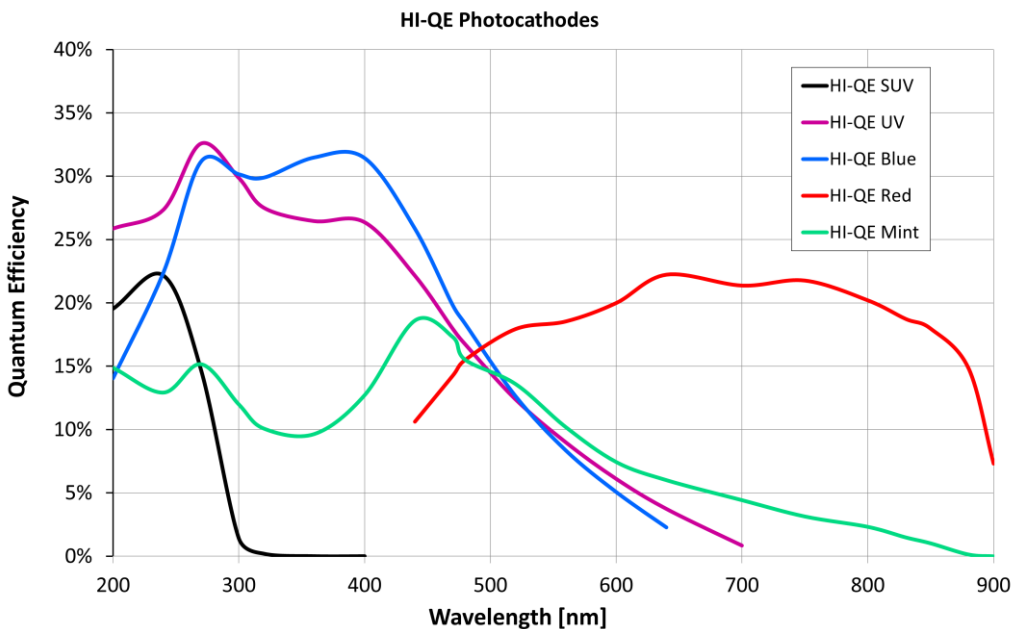
## Key technical features

- ◆ Gating capability
- ◆ Video output: HD-SDI, Camera Link or PAL/NTSC, USB 3.0

## Applications

- ◆ Corona Discharge Detection
- ◆ Quantum Computing
- ◆ Armored Vehicle
- ◆ Surveillance Operations

## VARIOUS PHOTOCATHODES FOR TARGETED WAVELENGTH DETECTION



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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**EXOSSENS**  
REVEAL THE INVISIBLE