WATER COOLED SWIR InGaAs CAMERA

Xenics
EXOSENS GROUP

UNCIA (NEW)

WATER COOLED SWIR InGaAs CAMERA

KEY FEATURES

- **DEEP COOLED SENSOR FOR INDUSTRIAL APPLICATIONS**
- **LOW NOISE ELECTRONICS (WITH ANALOG SENSOR)**
- **INDUSTRY STANDARD INTERFACES (USB AND CL)**

The Uncia series is based on an in-house developed InGaAs detector with a 640 x 512 pixel resolution. The Uncia camera with 4-stage TE-cooled detector offers high frame rates of 200 Hz.

Equipped with a deep-cooled sensor and a sophisticated noise reduction algorithm, the camera ensures exceptional sensitivity and stability in low-light conditions for various applications, including research (photon emission studies and astronomy), low-light imaging, and industrial settings.

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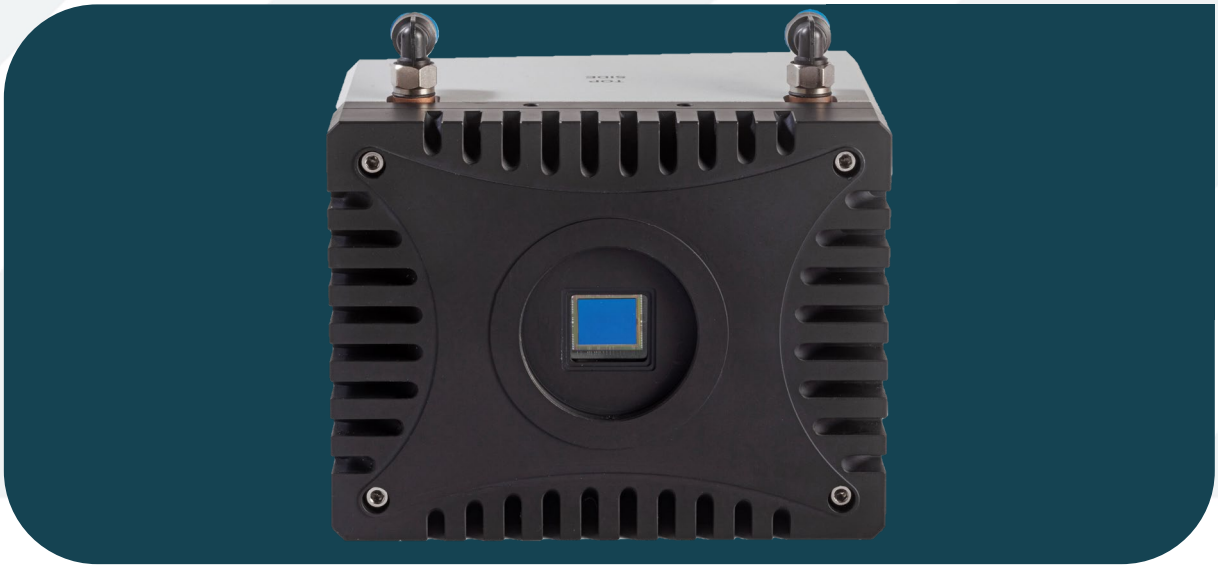

KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels/ 20 µm
Detector type	InGaAs photodiode array with CTIA ROIC
Sensor cooling	TE4 (4-stage-TE cooler)
Integration type	ITR &IWR
Spectral range	900 - 1700 nm
Max frame rate (full frame)	200 Hz
Power consumption (with cooling)	<100W
Power supply voltage	12V DC
Operating temperature range (ambient)	From -40°C to +70°C

FUNCTIONS & INTERFACES

Command and control	USB and CameraLink
Connector trigger	via unified connector - 2xIN & 2xOUT
Cooling	Water cooling
Camera dimensions (width x height x length)	100 mm x 130 mm x 106.1 mm
Optical interface (optional)	C-mount & M42
Camera weight (w/o lens-cables-cooling liquid)	2366 g

PRODUCT SELECTOR GUIDE

XEN-000960	UNCIA Water cooled

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