

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)

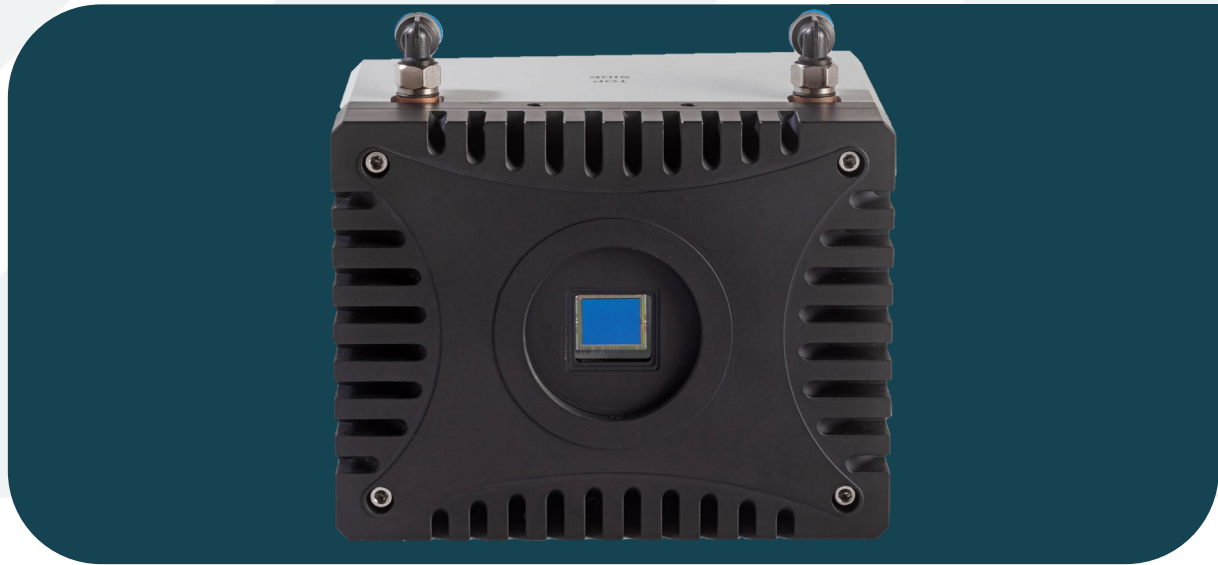


INDUSTRY STANDARD INTERFACES (USB AND CL)

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.

UNCIA



KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels/ 20 μ m
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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exosens.com

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