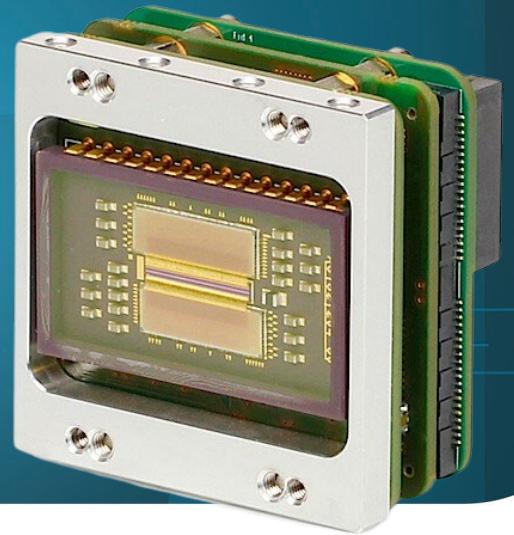


SMALL InGaAs LINE-SCAN CAMERA  
MODULE WITH RECTANGULAR PIXELS

**Xenics**  
EXOSENS GROUP

# XSL R Series



*SMALL InGaAs LINE-SCAN CAMERA MODULE  
WITH RECTANGULAR PIXELS*

## KEY FEATURES



**HIGH SPEED LINE-SCAN  
IMAGING UP TO 40 kHz**



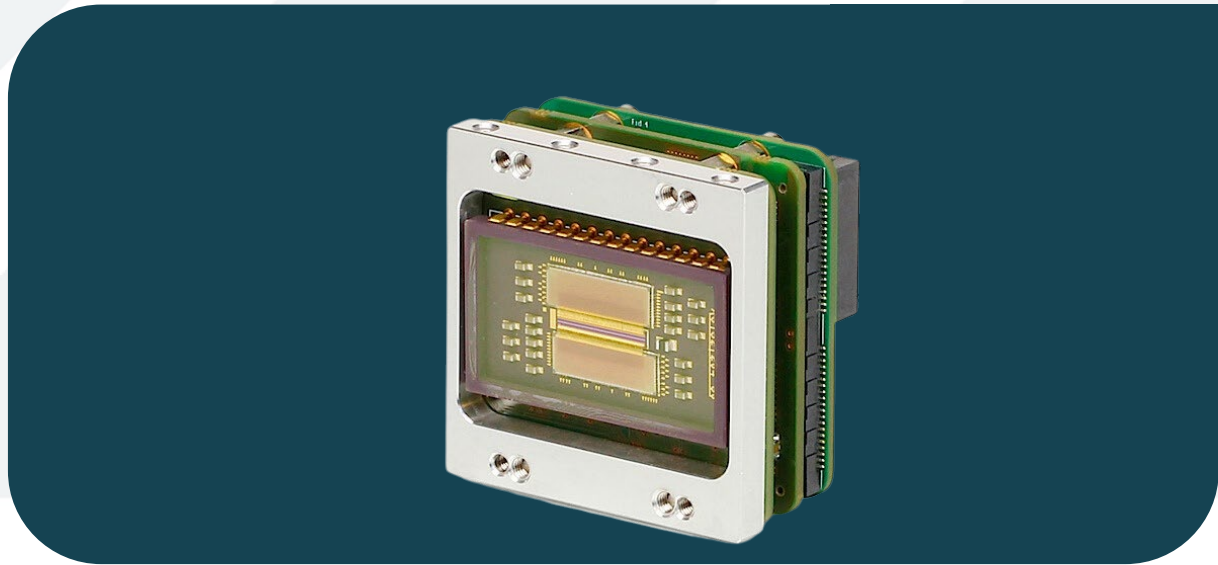
**HIGH RESOLUTION 1024/2048  
RECTANGULAR PIXELS OPTION**



**INDUSTRY STANDARD INTERFACES**

The XSL R series, based on an in-house developed detector, offer high-resolution short-wave infrared (SWIR) line-scan images. The XSL R cameras are able to image line rates up to 40 kHz, for demanding spectroscopy applications. The module comes with an industry standard CameraLink or GigE Vision or a 16 bit Digital Video interface.

# XSL R Series



## KEY PERFORMANCES

Image format/Pixel pitch	1024 or 2048 pixels/12.5 $\mu\text{m}$
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max line rate	40 kHz
Power consumption	3.9 W (CL); 6.3 W (GigE); 2.3 W (16 bit DV)
Power supply voltage	DC 12 V (CL; GigE); DC 3.3 V (16 bit DV)

## FUNCTIONS & INTERFACES

Digital output format	CameraLink Base; GigE Vision; 16 bit DV
Connector trigger	SMA
Camera dimensions (width x height x length)	45 mm x 45 mm x 37 mm (CL); 45 mm x 45 mm x 55 mm (GigE); 45 mm x 45 mm x 28 mm (16 bit DV)
Optical interface (optional)	M42, C-mount or F-mount
Camera weight	55 gr (CL), 96 gr (GigE); 43 gr (16 bit DV)

## PRODUCT SELECTOR GUIDE

XEN-000438 (XSL 1024 R CL)	XEN-000439 (XSL 1024 R GigE)
XEN-000440 (XSL 1024 R 16 bit DV)	XEN-000441 (XSL 2048 R CL)
XEN-000442 (XSL 2048 R GigE)	XEN-000443 (XSL 2048 R 16 bit DV)

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