

**SMALL, UNCOOLED InGaAs LINE-SCAN
CAMERA WITH RECTANGULAR PIXELS**

Xenics
EXOSENS GROUP

Lynx R Series



*SMALL , HIGH PERFORMANCE InGaAs MODULE
WITH HIGH IMAGE RESOLUTION*

KEY FEATURES



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



**HIGH RESOLUTION 102/2048
RECTANGULAR PIXELS OPTION**



INDUSTRY STANDARD INTERFACES

The Lynx R series, based on an in-house developed linear InGaAs detector, is a high-performance short-wave infrared (SWIR) camera providing high speed and quality line-scan imaging. The Lynx R cameras are able to image line rates up to 40 kHz, for demanding spectroscopy applications. The camera comes with an industry standard CameraLink or GigE Vision interface.



Lynx R Series



KEY PERFORMANCES

Image format / Pixel pitch	1024 or 2048 pixels/12.5 μ m
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max line rate	10 kHz (2048 pixels) or 40 kHz (1024 pixels)
Power consumption	3.9 W (CL); 6.3 W (GigE)
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink Base or GigE Vision
Connector trigger	SMA
Camera dimensions (width x height x length)	49 mm x 49 mm x 53 mm (CL); 49 mm x 49 mm x 71 mm (GigE)
Optical interface	C-mount or M42 (M42 to F-mount adapter optional)
Camera weight	153 gr (CL); 208 gr (GigE)

PRODUCT SELECTOR GUIDE

XEN-000431 (Lynx 1024 R CL)	XEN-000432 (Lynx 1024 R GigE)
XEN-000433 (Lynx 2048 R CL)	XEN-000434 (Lynx 2048 R GigE)

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LINE-SCAN SWIR CAMERA
WITH SQUARE PIXELS

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Lynx SQ Series



*SMALL, UNCOOLED InGaAs LINE-SCAN
CAMERA WITH SQUARE PIXELS*

KEY FEATURES



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



**HIGH RESOLUTION 512/1024/2048
SQUARE PIXELS OPTION**



INDUSTRY STANDARD INTERFACES

The Lynx square (SQ) series, based on an in-house developed linear InGaAs detector, offer affordable short-wave infrared (SWIR) line-scan imagers. Depending on your imaging requirements, three resolutions of 512, 1024, or 2048 pixels are offered. The cameras have standard on-board image correction featuring non-uniformity correction (NUC), bad pixel replacement (BPR) and gain control. For more info on other image enhancement features, contact our sales department.



Lynx SQ Series



KEY PERFORMANCES

Sensor format / Pixel pitch	512, 1024 or 2048 pixels/ 12.5 or 25 μ m
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max line rate	10 kHz or 40 kHz
Power consumption	3.9 W (CL); 6.3 W (GigE)
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink Base or GigE Vision
Connector trigger	SMA
Camera dimensions (width x height x length)	49 mm x 49 mm x 53 mm (CL); 49 mm x 49 mm x 71 mm (GigE)
Optical interface	C-mount or M42 (M42 to F-mount adapter optional)
Camera weight	153 gr (CL); 208 gr (GigE)

PRODUCT SELECTOR GUIDE

XEN-000633 (Lynx 512 SQ CL)	XEN-000309 (Lynx 512 SQ GigE)
XEN-000313 (Lynx 1024 SQ CL)	XEN-000310 (Lynx 1024 SQ GigE)
XEN-000314 (Lynx 2048 SQ CL)	XEN-000311 (Lynx 2048 SQ GigE)

For more information please contact:



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