SMALL INGAAS LINE-SCAN CAMERA MODULE WITH RECTANGULAR PIXELS



XSL R Series



SMALL InGaAs LINE-SCAN CAMERA MODULE WITH RECTANGULAR PIXELS

KEY FEATURES

HIGH SPEED LINE-SCAN IMAGING UP TO 40 kHz

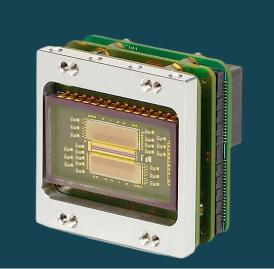
HIGH RESOLUTION 1024/2048 RECTANGULAR PIXELS OPTION



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 μm |
|--------------------------|---|
| 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) |

advancedimaging@exosens.com



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