SMALL , HIGH PERFORMANCE InGaAs CAMERA MODULE

XSW 320 Series

Xenics
EXOSENS GROUP

SMALL , HIGH PERFORMANCE InGaAs CAMERA MODULE

KEY FEATURES

FLEXIBLE AND EASY TO USE
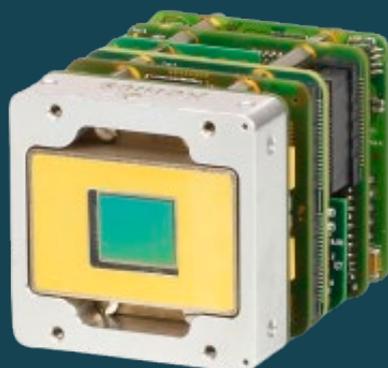
SMALL SWIR AREA-SCAN MODE

INDUSTRY STANDARD INTERFACES

The XSW 320 series is based on an in-house developed, temperature stabilized InGaAs detector with a 320 x 256 pixel resolution. XSW 320 camera modules are offered with frame rates of up to 400 Hz.

The camera modules come with either a CameraLink, GigE Vision or QTE Samtec interface and features low weight and power.

XSW 320 Series

KEY PERFORMANCES

Image format / Pixel pitch	512 or 1024 or 2048 pixels / 12.5 or 25 µm
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max frame rate (full frame)	100 Hz or 400 Hz
Power consumption	2.5 W (no TE cooler); 2.8 W (no TE cooler); 4 W (no TE cooler
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink Base; GigE Vision; QTE Samtec
Connector trigger	SMA (CL and GigE)
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)	C-mount or M42
Camera weight	129 gr (CL); 165 gr (GigE); 122 gr (16bit DV)

PRODUCT SELECTOR GUIDE

XEN-000532 (XSW 320 CL 100)	XEN-000591 (XSW 320 CL 400)
XEN-000531 (XSW 320 GigE 100)	XEN-000592 (XSW 320 GigE 400)
XEN-000529 (XSW 320 16bitDV 100)	XEN-000595 (XSW 320 16bitDV 400)

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