

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



XSW 640 Series

Area-scan SWIR cooled module with 640 x 512 resolution



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KEY FEATURES

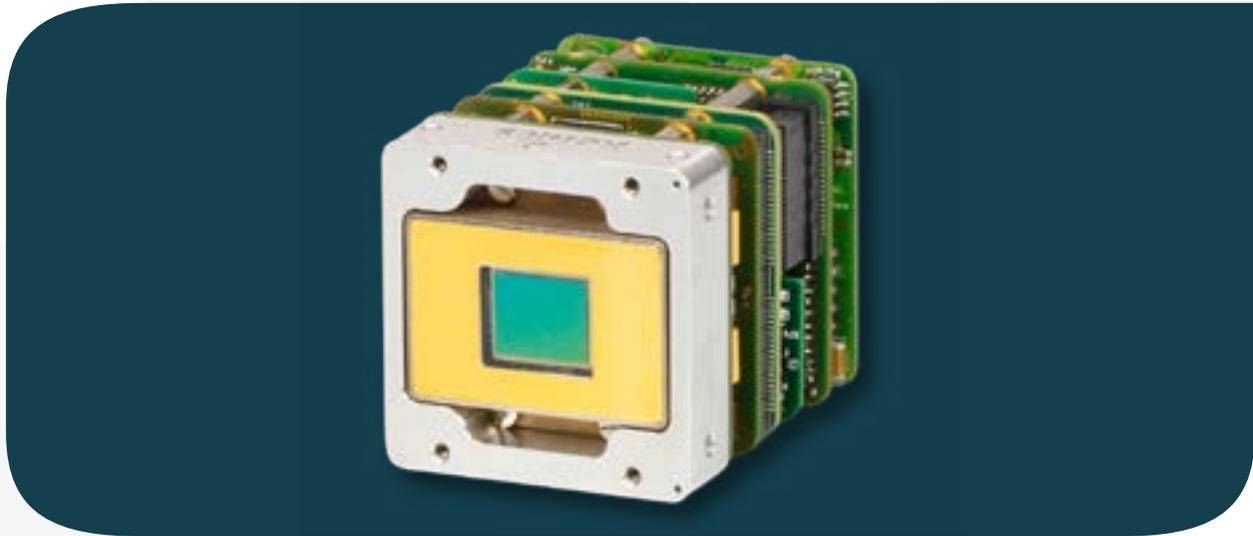
- ◆ vSWIR optional
- ◆ Low noise, low dark current
- ◆ CameraLink, GigE Vision or QTE Samtec interfacing options
- ◆ Versatility with gain modes

The XSW 640 series is based on an in-house developed temperature stabilised InGaAs detector with a 640 x 512 pixel resolution. The XSW 640 modules are offered with frame rate of up to 100 Hz.

The module comes with either a CameraLink, GigE Vision or QTE Samtec interface and features low weight and power. visible short-wave (vSWIR) option is also offered for extended wavelength into the visible band.

XSW 640 Series

EU based supplier



KEY PERFORMANCES

Image format/Pixel pitch	640 X 512 pixels/20 μ m
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Sensor temperature stabilization	TE cooler
Spectral range	900 - 1700 nm (SWIR); 500 - 1700 nm (vSWIR)
Max frame rate (full frame)	100 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 or GigE Vision or QTE Samtec
Connector trigger	SMA (CL and GigE)
Camera dimensions (width x height x length)	45 mm x 45 mm x 56 mm (CL), 45 mm x 45 mm x 65 mm (GigE), 45 mm x 45 mm x 52 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-000343 (XSW 640 CL)	XEN-000344 (XSW 640 CL vSWIR)
XEN-000341 (XSW 640 GigE)	XEN-000342 (XSW 640 GigE vSWIR)
XEN-000295 (XSW 640 16bitDV)	XEN-000098 (XSW 640 16bitDV vSWIR)

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