

Xeva 320 Series

SWIR cooled camera with 320 x 256 resolution



VERSATILE InGaAs CAMERA WITH VARIOUS COOLING OPTIONS

KEY FEATURES

- ◆ vSWIR optional
- ◆ Sensor cooling available for increased exposure time range
- ◆ Low dark current
- ◆ USB and/or CameraLink interfacing options
- ◆ Versatility with gain modes

The Xeva 320 series is based on an in-house manufactured InGaAs detector with a 320 x 256 resolution. The camera offers frame rates of more than 340 Hz. Xeva 320 cameras are with a CameraLink or USB interface. A visible enhanced short-wave infrared (vSWIR) option for extended wavelength response into the visible band is available.

Xeva 320 Series

EU based supplier



KEY PERFORMANCES

Image format/Pixel pitch	320 x 256 pixels/ 30 µm
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm (SWIR); 500 - 1700 nm (vSWIR)
Max frame rate (full frame)	60 Hz / 100 Hz / 344 Hz
Power consumption	Up to 30 W
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Digital output format	USB 2.0 or CameraLink (14 bit)
Connector trigger	5-pin TRIAD 01
Camera dimensions (width x height x length)	88 mm x 111 mm x 107 mm or 88 mm x 111 mm x 114 mm
Optical interface	C-mount or M42
Camera weight	1300 gr

PRODUCT SELECTOR GUIDE

XEN-000100 (Xeva 1.7 320 TE1 USB 100)	XEN-000147 (Xeva 1.7 320 TE1 USB 100 vSWIR)
XEN-000101 (Xeva 1.7 320 TE3 USB 100)	XEN-000104 (Xeva 1.7 320 TE1 CL 60)
XEN-000105 (Xeva 1.7 320 TE1 CL 100)	XEN-000107 (Xeva 1.7 320 TE1 CL 350)
XEN-000165 (Xeva 1.7 320 TE1 CL 60 vSWIR)	XEN-000106 (Xeva 1.7 320 TE1 CL 100 vSWIR)
XEN-000148 (Xeva 1.7 320 TE1 CL 350 vSWIR)	XEN-000108 (Xeva 1.7 320 TE3 CL 60)
XEN-000109 (Xeva 1.7 320 TE3 CL 100)	XEN-000110 (Xeva 1.7 320 TE3 CL 350)

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