

HIGH-RESOLUTION SWIR CAMERA

EXOSENS
REVEAL THE INVISIBLE

Wildcat+ 640 Series



HIGH-RESOLUTION SWIR CAMERA

KEY FEATURES



HIGH-RESOLUTION SWIR IMAGING



INDUSTRY PROVEN CAMERA DESIGN



FLEXIBLE OPTICAL MOUNT & LENS OPTIONS

The Wildcat+640 series is based upon a state-of-the-art InGaAs detector with 640x512 pixels and 20 μm pixel pitch. The camera offers superior, high-resolution SWIR imaging capabilities, comes in a versatile and industry-proven Wildcat camera package (GenlCam compliant) and offers advanced on-board image processing.

The Wildcat+640 camera outputs full frame images up to 300 Hz via either a CameraLink or USB3 Vision interface.



Wildcat+ 640 Series



KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels / 20 µm
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm
Max frame rate (full frame)	300 Hz
Power consumption	<7 W
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink Base or USB3 Vision
Connector trigger	Lemo 1B.308 (unified connector)
Camera dimensions (width x height x length)	55 mm x 55 mm x 72 mm (CL); 55 mm x 55 mm x 91.5 mm (U3V)
Optical interface	C-mount or M42
Camera weight	316 gr (CL); 358 gr (U3V)

PRODUCT SELECTOR GUIDE

XEN-000874 (Wildcat+ 640 CL 300)	XEN-000873 (Wildcat+ 640 U3V 300)
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