

**HIGH-RESOLUTION SWIR  
MEGAPIXEL CAMERA**



# Wildcat+ 1280 Series

High-resolution SWIR imaging camera with CameraLink (CL) or USB3 Vision (U3V) interface



## *HIGH-RESOLUTION SWIR MEGAPIXEL CAMERA*

### **KEY FEATURES**

- ◆ Compact and industry-proven camera design
- ◆ High-resolution SWIR imaging
- ◆ Advanced on-board image processing performance
- ◆ GenICam compliant
- ◆ Flexible optical mount and lens options
- ◆ Suitable for semiconductor inspection, display inspection (mobile phone and TV), microscopy and laser beam analysis

The Wildcat+ 1280 series is based upon a state-of-the-art InGaAs photodiode array with 1280x1024 pixels and 5  $\mu\text{m}$  pixel pitch. The camera offers superior, high resolution SWIR imaging capabilities, comes in a versatile and industry-proven Wildcat camera package (GenICam compliant), and offers advanced onboard image processing.

The Wildcat+ 1280 camera outputs full frame images at 120 Hz via either a CameraLink or USB3 Vision interface.

# Wildcat+ 1280 series

EU based supplier



## KEY PERFORMANCES

Image format/Pixel pitch	1280 x 1024 pixels/5 $\mu$ m
Detector type	InGaAs photodiode array with ROIC
Integration type	Snapshot - global shutter
Spectral range	400 - 1700 nm
Max frame rate (full frame)	120 Hz
Power consumption	<7 W
Power supply voltage	DC 12 V

## FUNCTIONS & INTERFACES

Command and control	CameraLink Base; 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	345 gr (CL); 385 gr (U3V)

## PRODUCT SELECTOR GUIDE

XEN-000814 (Wildcat+ 1280 CL)	XEN-000815 (Wildcat+ 1280 U3V)
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