

HIGH-RESOLUTION SWIR  
MEGAPIXEL CAMERA

**EXOSSENS**  
REVEAL THE INVISIBLE

# Wildcat+ 1280 Series



*HIGH-RESOLUTION SWIR MEGAPIXEL CAMERA*

## KEY FEATURES



**HIGH-RESOLUTION SWIR IMAGING**



**INDUSTRY PROVEN CAMERA DESIGN**



**FLEXIBLE OPTICAL MOUNT &  
LENS OPTIONS**

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



## 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 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);<br>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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