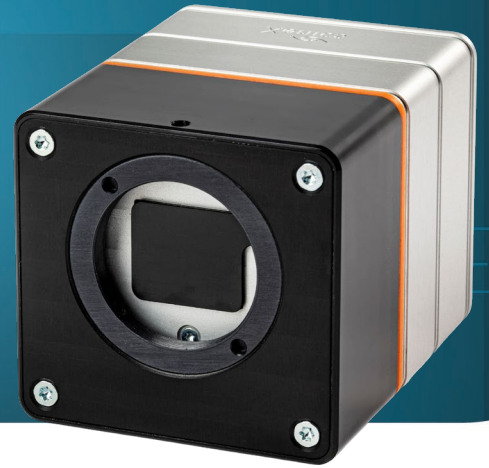


**COMPACT, HIGH-RESOLUTION  
THERMAL CAMERA**

**Xenics**  
EXOSENS GROUP

# Ceres V 1280 Series



*UNCOOLED MICROBOLOMETER CAMERA  
FOR HIGH-RESOLUTION THERMAL IMAGING*

## KEY FEATURES



**COMPACT AND HIGH-RESOLUTION**



**SUPERIOR ON-BOARD IMAGE  
PROCESSING PERFORMANCE**



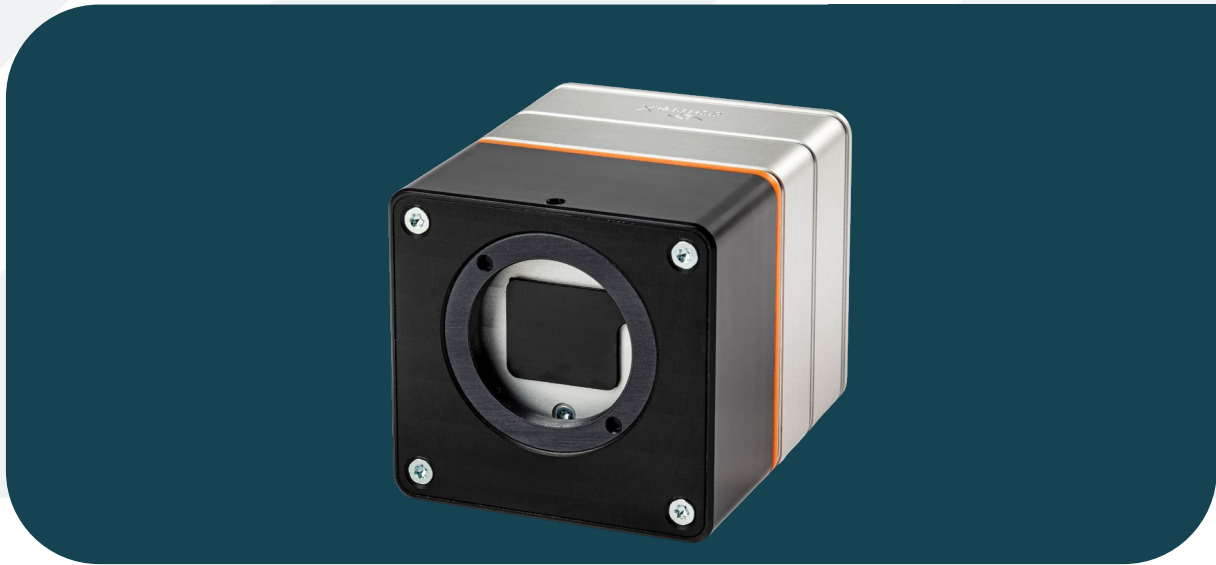
**FLEXIBLE OPTICAL MOUNT &  
LENS OPTIONS\***

\*Different lens interface options available.  
Note: The Ceres GigE Vision cameras come with a standard Precision Time Protocol (PTP), ensuring synchronized operation in a multi-camera system. For more information, contact us at [advancedimaging@exosens.com](mailto:advancedimaging@exosens.com)

The Ceres V 1280 series is based upon the Dione 1280 OEM thermal imaging core with 1280x1024 pixels and 12  $\mu\text{m}$  pixel pitch. The camera offers superior thermal imaging capabilities, thanks to the state-of-the-art microbolometer detector and onboard image processing.

The Ceres V 1280 camera outputs full frame images at 60 Hz via either a CameraLink or at 45 Hz via GigE Vision interface - all GenICam compliant. The compact size, excellent image quality and GenICam compliant interfacing allow for easy integration in demanding industrial, scientific and security thermal imaging applications.

# Ceres V 1280 Series



## KEY PERFORMANCES

Image format/Pixel pitch	1280 x 1024 pixels / 12 $\mu$ m
Integration type	Rolling Shutter
Spectral range	8 -14 $\mu$ m
Max frame rate (full frame)	45 Hz (GigE); 60 Hz (CL)
Power consumption	4 W (GigE); 3.5 W (CL)
Power supply voltage	DC 12 V

## FUNCTIONS & INTERFACES

Digital output format	GigE; CL
Operating temperature range (housing temperature)	From -40°C to +70°C
Storage temperature range	From -40 °C to +85 °C
Detector NETD	<50 mK(at 30Hz, 300K, F/1); <40 mK (at 30 Hz, 300 K, F/1), available upon request
Shock / Vibration	40 g, 11 ms, MIL-STD810G/ 5 g (20 to 2000 Hz), MIL-STD810G

## PRODUCT SELECTOR GUIDE

XEN-000746 [Ceres V 1280 GigE 50 mK (60 Hz)]	XEN-000741 [Ceres V 1280 GigE 50 mK (9 Hz)]
XEN-000750 [Ceres V 1280 GigE 40 mK (60 Hz)]	XEN-000751 [Ceres V 1280 GigE 40 mK (9 Hz)]
XEN-000747 [Ceres V 1280 CL 50 mK (60 Hz)]	XEN-000745 [Ceres V 1280 CL 50 mK (9 Hz)]
XEN-000752 [Ceres V 1280 CL 40 mK (60 Hz)]	XEN-000753 [Ceres V 1280 CL 40 mK (9 Hz)]

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