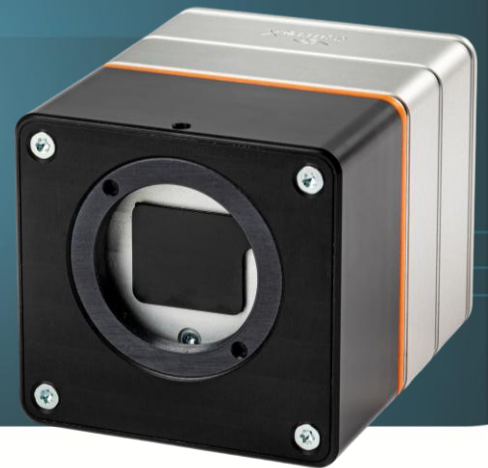


COMPACT, HIGH-RESOLUTION
THERMAL CAMERA

EXOSSENS
REVEAL THE INVISIBLE

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***

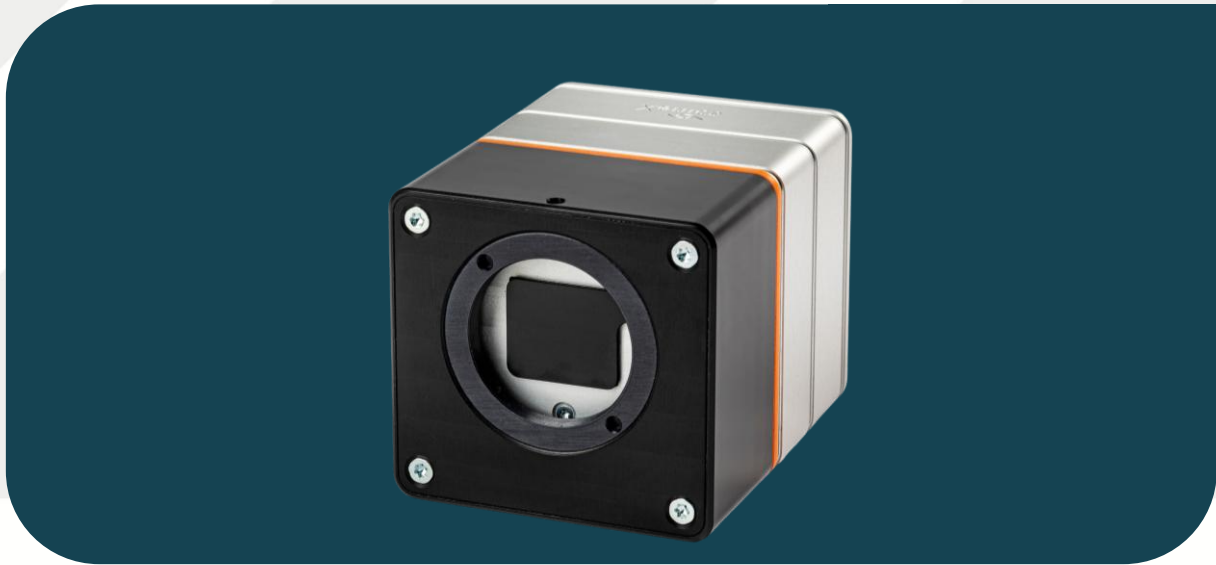
*Different lens interface options available.

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

The Ceres V 1280 series is based upon the Dione 1280 OEM thermal imaging core with 1280x1024 pixels and 12 μm 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 μ m
Integration type	Rolling Shutter
Spectral range	8 -14 μ 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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