COMPACT, HIGH-PERFORMANCE THERMOGRAPHIC CAMERA



# Ceres T 1280 Series



### HIGH-RESOLUTION LWIR THERMOGRAPHIC CAMERA

## **KEY FEATURES**



### COMPACT AND HIGH-RESOLUTION

SUPERIOR ON-BOARD IMAGE PROCESSING PERFORMANCE



Note: The camera offers one standard option of lens and thermal calibration pack. 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 T 1280 series is based upon the Dione 1280 OEM thermal imaging core with 1280x1024 pixels and 12  $\mu m$  pixel pitch.

The camera offers superior on-board thermographic performance (accuracy, stability) in the temperature range up to 400 °C.

The Ceres T 1280 camera outputs full frame images at 60 Hz via either a CameraLink or at 45 Hz via GigE Vision interface. The compact size, excellent thermographic stability and accuracy, and GenICam compliant interfacing allow for easy integration in demanding industrial thermography applications.

# **Ceres T 1280 Series**



#### **KEY PERFORMANCES**

Image format/Pixel pitch	1280 x 1024 pixels/12 μm
Integration type	Rolling Shutter
Spectral range	8 -14 µm
Max frame rate (full frame)	45 Hz (GigE); 60 Hz (CL)
Power consumption	5.5 W (GigE); 5 W (CL)
Power supply voltage	DC 12 V

### **FUNCTIONS & INTERFACES**

Digital output format	GigE; CL
Ambient operating temperature range (*)	From -40°C to +70°C
Storage temperature range	From -40 °C to +85 °C
Detector NETD	<50 mK (at 30Hz, 300K, F/1)
Shock / Vibration	25g, 3ms, IEC 60068-2-27 / 2g, IEC 60068-2-6

(\*) Defining the limitations and restrictions of the thermographic mode (from +10°C to +50°C)

#### **PRODUCT SELECTOR GUIDE**

XEN-000739 [Ceres T 1280 GigE 50 mK (60 Hz)	]
XEN-000743 [Ceres T 1280 CL 50 mK (60 Hz)]	

XEN-000740 [Ceres T 1280 GigE 50 mK (9 Hz)] XEN-000744 [Ceres T 1280 CL 50 mK (9 Hz)]

advancedimaging@exosens.com



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