

**COMPACT, HIGH-RESOLUTION  
THERMOGRAPHIC CAMERA**



# Ceres T 1280 Series

High-resolution long-wave infrared (LWIR) thermographic camera



## HIGH-RESOLUTION LWIR THERMOGRAPHIC CAMERA

### KEY FEATURES

- ◆ Compact size
- ◆ Superior on-board thermographic performance (stability, accuracy)
- ◆ Temperature measurements up to 400°C
- ◆ Frame rate up to 60 Hz
- ◆ Low latency synchronization
- ◆ Designed for use in PCB inspection, thermal imaging and thermography applications

The Ceres T 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 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

EU based supplier



## 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	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	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-000740 [Ceres T 1280 GigE 50 mK (9 Hz)]
XEN-000743 [Ceres T 1280 CL 50 mK (60 Hz)]	XEN-000744 [Ceres T 1280 CL 50 mK (9 Hz)]

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