

**COMPACT, HIGH-PERFORMANCE
THERMOGRAPHIC CAMERA**



Ceres T 640 Series

Compact and uncooled LWIR thermographic camera



*COMPACT, HIGH-PERFORMANCE
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 640 series is based upon the Dione 640 OEM thermal imaging core with 640x480 pixels and 12 μm pixel pitch. The camera offers superior on-board thermographic performance (accuracy, stability) in the temperature range up to 400°C.

The Ceres T 640 camera outputs full frame images at 60 Hz via either a CameraLink or GigE Vision interface. The compact size and, excellent thermographic stability and accuracy, and GenICam compliant interfacing allow for easy integration in demanding industrial thermographic applications.

Ceres T 640 Series

EU based supplier



KEY PERFORMANCES

Image format/Pixel pitch	640 x 480 pixels / 12 μ m
Integration type	Rolling Shutter
Spectral range	8 - 14 μ m
Max frame rate (full frame)	60 Hz
Power consumption	4 W (GigE); 3.5 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-000681 [Ceres T 640 GigE 50 mK (60 Hz)]	XEN-000723 [Ceres T 640 GigE 50 mK (9 Hz)]
XEN-000682 [Ceres T 640 CL 50 mK (60 Hz)]	XEN-000726 [Ceres T 640 CL 50 mK (9 Hz)]

* The camera comes with one standard option of lens and thermal calibration pack.
For more information, contact us at sales@xenics.com

sales@xenics.com



xenics.com

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