

COMPACT, HIGH-PERFORMANCE
THERMOGRAPHIC CAMERA

EXOSSENS
REVEAL THE INVISIBLE

Ceres T 640 Series



COMPACT, HIGH-PERFORMANCE
THERMOGRAPHIC CAMERA

KEY FEATURES



COMPACT SIZE



LOW LATENCY SYNCHRONIZATION



**SUPERIOR ON-BOARD IMAGE
PROCESSING PERFORMANCE**

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.

Note: The camera comes with 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.

Ceres T 640 Series



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)	Up to 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

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)]

(*) Ambient operating temperature range for thermography from +10°C to +50°C

advancedimaging@exosens.com



exosens.com

EXOSENS
REVEAL THE INVISIBLE