

HIGH-RESOLUTION
UNCOOLED THERMAL CORE

EXOSSENS
REVEAL THE INVISIBLE

Crius 1280 Series



*1.3 MEGAPIXELS IN A VERY
COMPACT LWIR CORE*

KEY FEATURES



**VERY HIGH RESOLUTION - 12 μ m
FOR BETTER DRI RANGES**



**SMALL, LIGHT & LOW POWER
CONSUMPTION**

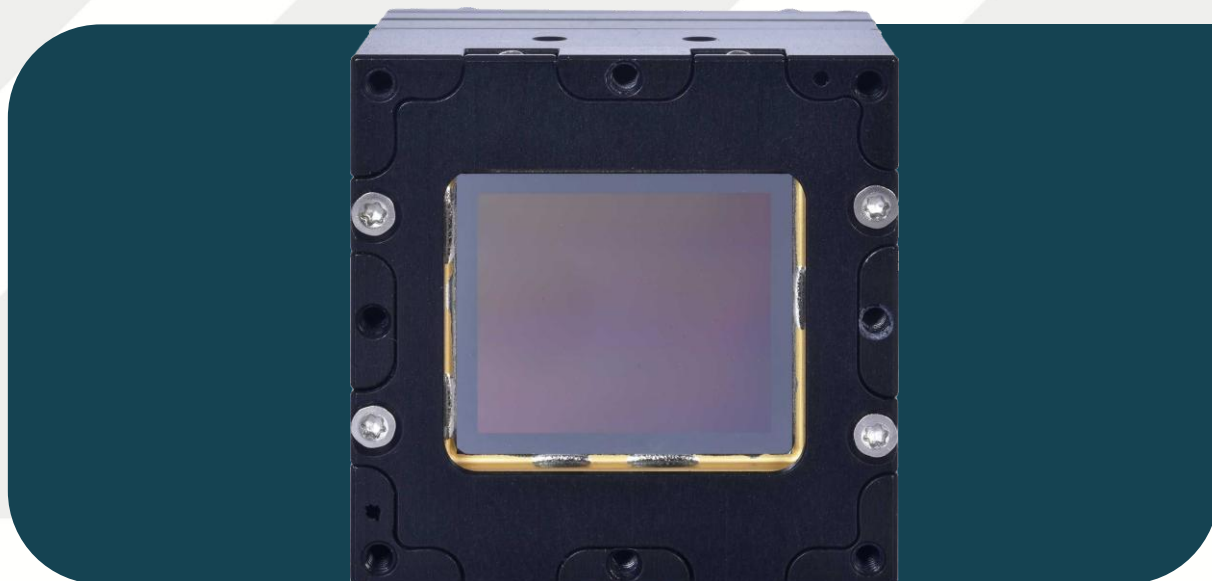


FRAME RATE UP TO 60 FPS

Crius 1280 combines outstanding resolution with a compact design to enhance electro-optical system performance, particularly in DRI (Detection, Recognition, Identification), a critical factor for long-range observation in search and rescue and the surveillance of sensitive areas such as plants and borders.

Its generic design enables easy integration and retrofit into existing defense and security E/O systems.

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KEY PERFORMANCES

Sensor	Micro-bolometer technology
Resolution / Pixel Pitch	1280 x 1024 pixels / 12 μ m
Spectral Range	8 – 14 μ m
Max NETD (F/1 ; 300K ; 30 Hz)	< 50 mK
Operating temperature range	-40°C to +70°C
Power consumption (DF40)	< 2.8 W
Qualification	Industrial (Standard grade)

FUNCTIONS & INTERFACES

Image processing	BPC (Bad Pixel Correction), NUC (Non-Uniformity Correction), AGC (Automatic Gain Control)
Image optimisation	AGC (Automatic Gain Control)
Output options	CL, SDI, DF40, MIPI CSI-2
Dimensions (L x B x H) (DF40)	35 x 35 x 27 mm ³
Shutter options	Shutterless (DF40, SDI, MIPI CSI-2)
Weight (DF40)	< 90 gr

PRODUCT SELECTOR GUIDE

XEN-000917 (Crius 1280 50 mK (60 Hz))	XEN-000919 (Crius 1280 50 mK (9 Hz))
XEN-000988 (Crius 1280 40 mK (9 Hz))	XEN-000989 (Crius 1280 40 mK (60 Hz))

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