

**HIGH-RESOLUTION UNCOOLED
THERMAL CORE**

Xenics
EXOSENS GROUP

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**

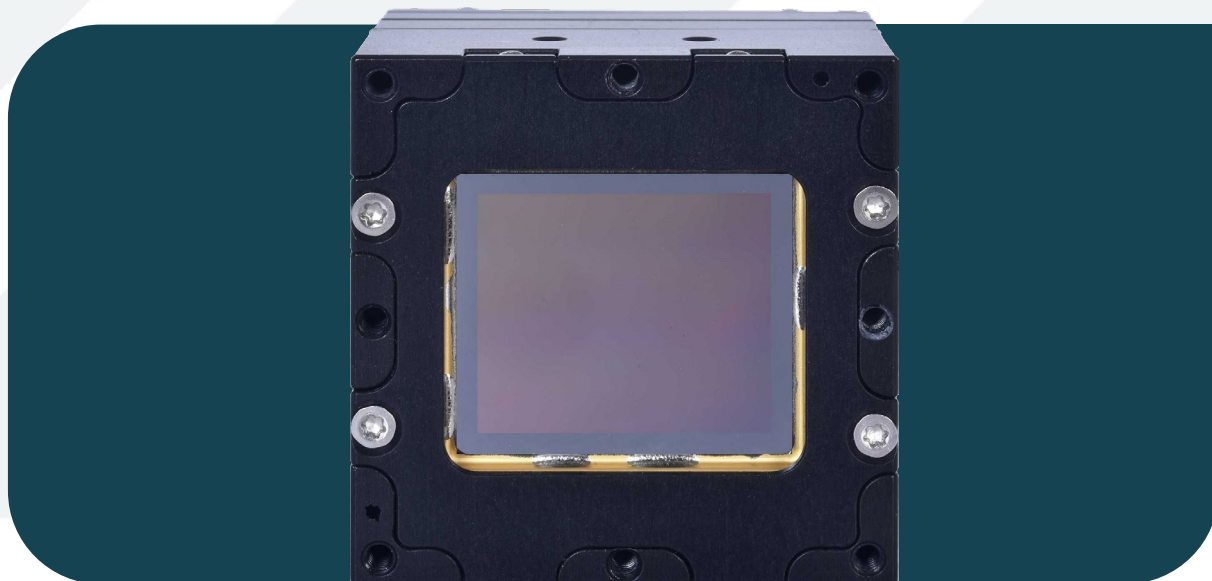


FRAME RATE UP TO 60 FPS

Thanks to its amazing compactness and the outstanding resolution, Crius series enable enhancement of electro optical-systems performances: major benefit is DRI (Detection Recognition Identification), a key factor for long range observation platforms in Search and Rescue or surveillance of sensitive areas for plants, border.

Its generic design ensures easy integration retrofit of existing E/O systems in defense and security.

Crius 1280 Series



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 (-20°C to +60°C for shuttered version)
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, Shutterless)	35 x 35 x 27 mm ³
Shutter options	Shutterless (CL, DF40, SDI, MIPI CSI-2) and Shuttered (DF40, SDI, MIPI CSI-2)
Weight (DF40)	< 90 gr (<130 gr for shuttered version)

PRODUCT SELECTOR GUIDE

XEN-000917 (Crius 1280 - 60 Hz)	XEN-000919 (Crius 1280 - 9 Hz)
XEN-000968 (Crius 1280 Shuttered - 60 Hz)	XEN-000969 (Crius 1280 Shuttered - 9 Hz)

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EXOSENS
REVEAL THE INVISIBLE