Xenics
EXOSENS GROUP

Crius 1280 Series

1.3 MEGAPIXELS IN A VERY COMPACT LWIR CORE

KEY FEATURES

VERY HIGH RESOLUTION - 12μm FOR BETTER DRI RANGES
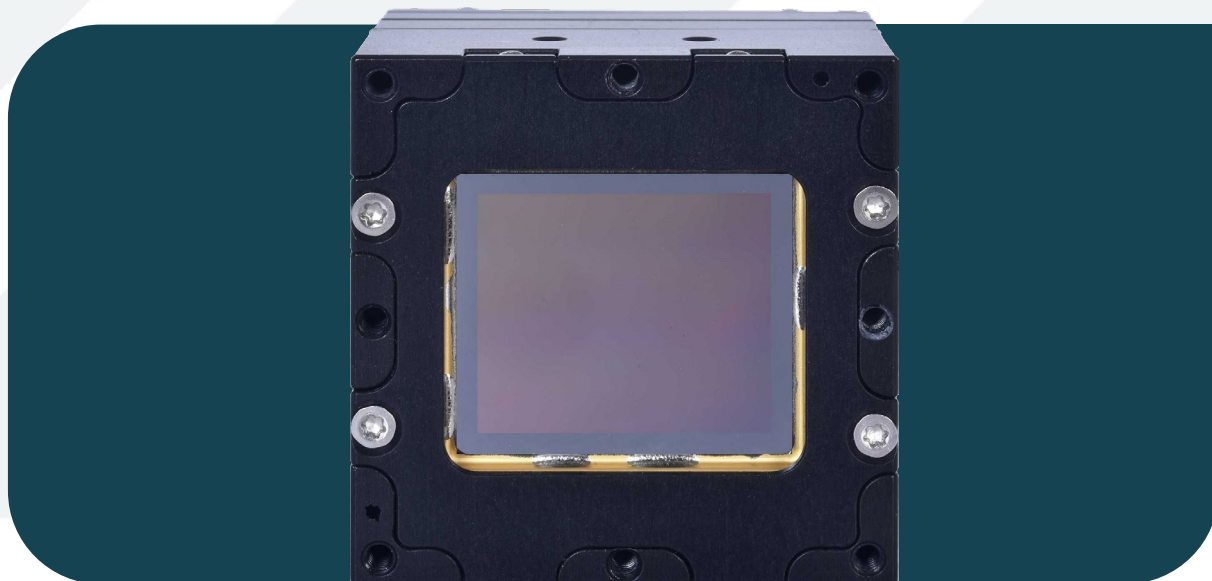
SMALL, LIGHT & LOW POWER CONSUMPTION

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 µm
Spectral Range	8 – 14 µm
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 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 S 1280 50 mK (60 Hz))	XEN-000969 (Crius S 1280 50 mK (9 Hz))

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EXOSENS
REVEAL THE INVISIBLE