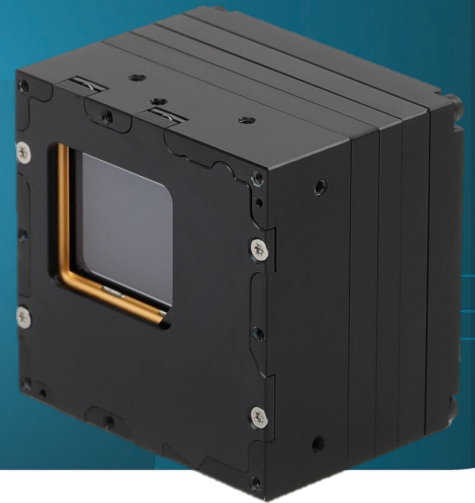


**HIGH-RESOLUTION UNCOOLED  
THERMAL CORE**

**Xenics**  
EXOSENS GROUP

# Crius S 1280 Series



*ULTRA-COMPACT THERMAL CORE FOR  
BETTER DRI RANGES*

## KEY FEATURES



**HIGH RESOLUTION - 12 $\mu$ m FOR  
BETTER DRI RANGES**



**SMALL, LIGHT & LOW POWER  
CONSUMPTION**



**FRAME RATE UP TO 60 FPS**



**UNCOOLED WITH  
MECHANICAL SHUTTER**

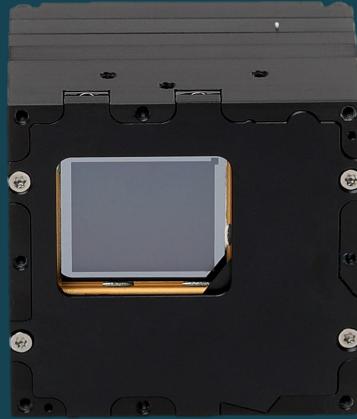
The Crius S 1280 series stands out with its compact design and exceptional resolution, offering enhanced DRI (Detection, Recognition, Identification) capabilities for long-range observation platforms.

Ideal for Search and Rescue missions and the surveillance of critical areas such as borders and infrastructure, it provides unparalleled performance for electro-optical systems.

Its adaptable and universal design ensures effortless integration into existing defense and security E/O systems, making it a versatile choice for upgrading operational efficiency.



# Crius S 1280 Series



## KEY PERFORMANCES

Sensor	Micro-bolometer technology
Resolution / Pixel Pitch	1280 x 1024 pixels / 12 $\mu$ m
Spectral Range	8 – 14 $\mu$ m
Max NETD (F/1 ; 300K ; 30 Hz)	< 50 mK
Operating temperature range	-40°C to +70°C
Power consumption (DF40)	< 2.8 W (DF40); < 4.5 W (SDI); < 3.0 W (MIPI CSI-2)
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	DF40, SDI, MIPI CSI-2
Dimensions (L x B x H)	46 x 47 x 27 mm <sup>3</sup> (DF40); 46 x 47 x 43 mm <sup>3</sup> (SDI); 46 x 47 x 31 mm <sup>3</sup> (MIPI CSI-2)
Shutter options	DF40, SDI, MIPI CSI-2
Weight	<130 gr (DF40); <126 gr (SDI); <105 gr (MIPI CSI-2)

## PRODUCT SELECTOR GUIDE

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