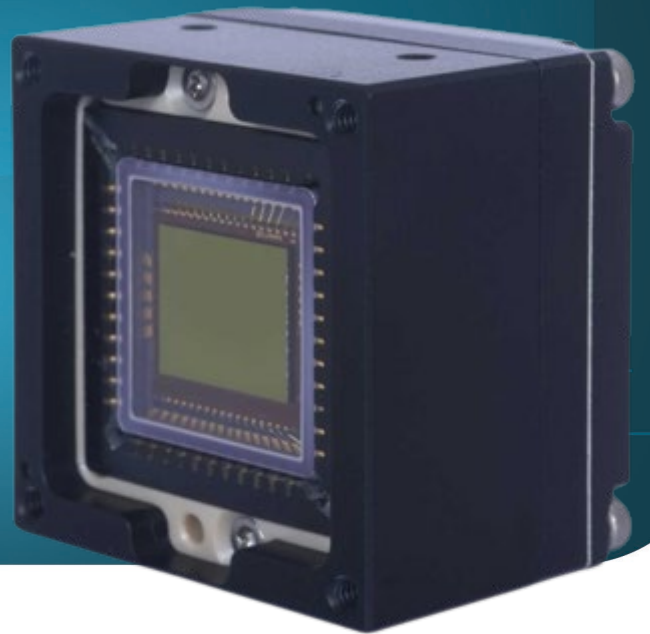


**FULL TECLESS
SWIR CAMERA CORE**

Xenics
EXOSENS GROUP

Aion 640



*COMPACT SWIR CAMERA
UP TO 178 FPS*

KEY FEATURES



**VERY COMPACT SWIR CAMERA
CORE – 30 X 30 mm**



FULL TECLESS TECHNOLOGY



FRAME RATE UP TO 178 FPS

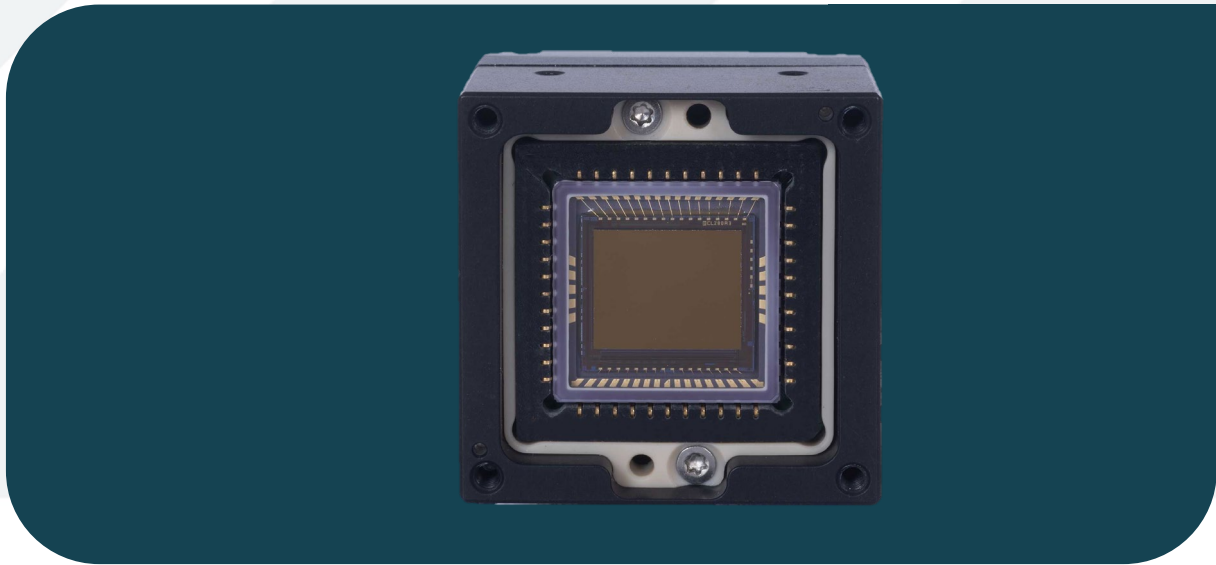
Aion represents ultra-compact core features of full tecless implementation in InGaAs shortwave infrared detector.

The high-performance sensor and low noise feature offers the best solution for OEMs and integrators for their demanding applications.

This camera core enables agile modular concept and architecture for easy integration into systems and platforms.



Aion 640



KEY PERFORMANCES

Sensor	InGaAs - Photodiode
Resolution / Pixel Pitch	640 x 512 pixels / 15 μm
Spectral Range	0.9 – 1.7 μm
Operating temperature range	-20°C to +60°C
Read-out noise	< 50 e- (in high gain)
Power consumption	< 1.2 W (@ 30 fps)

FUNCTIONS & INTERFACES

Image processing	Host based only
Output options	USB (raw 16-bit data over USB)
Dimensions (L x B x H)	30 x 30 x 26 mm ³
Weight	< 50 g

PRODUCT SELECTOR GUIDE

XEN-000931 (Aion 640 (178 Hz))

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exosens.com

EXOSENS
REVEAL THE INVISIBLE