

**HIGH-RESOLUTION UNCOOLED
THERMAL CORE**

Xenics
EXOSENS GROUP

Crius XP 1280 Series (NEW)



*EXTREME PERFORMANCE WITH SXGA
THERMAL IMAGING CORE*

KEY FEATURES



**ADVANCED SHUTTERLESS IMAGING
WITH EMBEDDED CORRECTION**



**CONTOUR ENHANCEMENT: SHARPER DRI
AND SUPERIOR OBJECT CLARITY**



**COLUMN AND TEMPORAL DENOISING:
NETD halved from 40 mK to 20 mK**



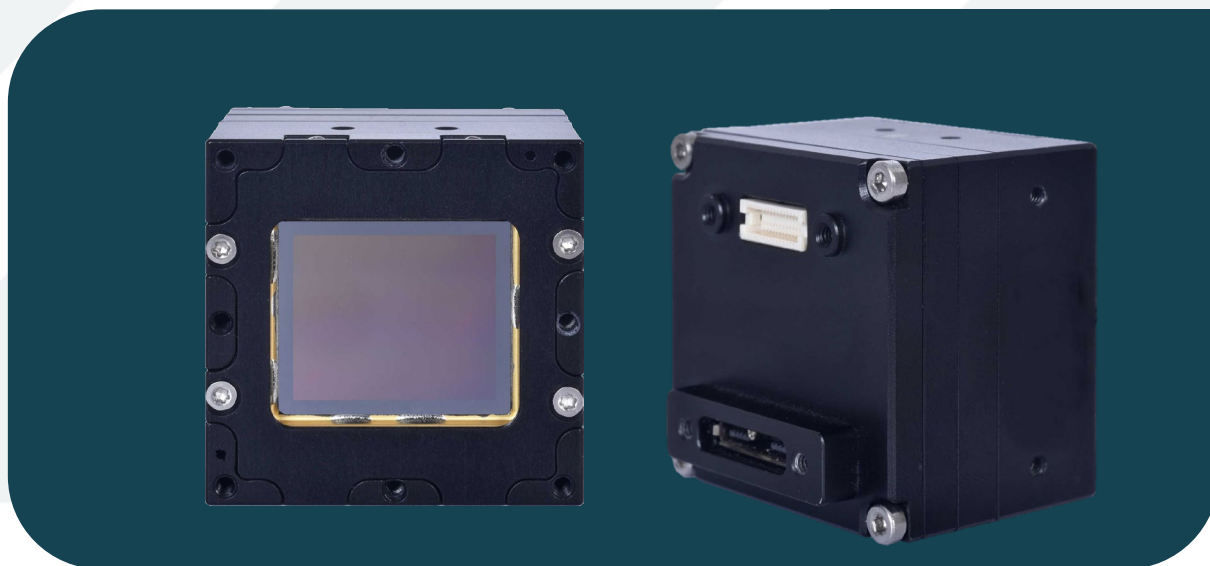
**CONTRAST SHARPNESS CORE FOR
AUTOFOCUS MANAGEMENT**

The Crius XP (Extreme Performance) 1280 delivers sharp thermal imagery with 1280x1024 resolution, 12 μm pixel pitch, and <20 mK NETD. Featuring shutterless operation, fast startup (<0.7s), and enhanced thermal stability, it ensures clear target visibility in demanding conditions.

Contour enhancement improves DRI and object perception, while its compact SWaP design and flexible interfaces enable easy integration into mission-critical defense systems.



Crius XP 1280 Series (NEW)



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) | < 20 mK with denoising |
| Operating temperature range | -20°C to +60°C |
| Power consumption (DF40) | < 2.8 W |
| Qualification | MIL-STD-810G – Method 514 Vibration: 10Hz - 2kHz 13.95g per axis 10h per axis |

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 |
| Weight (DF40) | < 90 gr |

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EXOSENS
REVEAL THE INVISIBLE

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