SMALL, HIGH PERFORMANCE
InGaAs CAMERA

Xenics
EXOSENS GROUP

Bobcat 640 Series

SMALL, HIGH PERFORMANCE InGaAs CAMERA WITH HIGH IMAGE RESOLUTION

KEY FEATURES

- **FLEXIBLE AND EASY TO USE**
- **COMPACT AND LIGHTWEIGHT**
- **HIGH FRAME RATE OF UP TO 100 Hz**

The Bobcat 640 series is based on an in-house developed, temperature stabilized InGaAs detector with a 640 x 512 pixel resolution. The camera comes with a CameraLink or GigE Vision interface and features low weight and power.

The cameras have standard on-board image correction featuring non-uniformity correction (NUC), bad pixel replacement (BPR) and automatic gain control (AGC). For more info on other image enhancement features, contact our sales department.

Bobcat 640 Series

KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels/ 20 µm
Detector type	InGaAs photodiode array with CTIA ROIC
Sensor temperature stabilization	TE cooler
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm (SWIR); 500 - 1700 nm (vSWIR)
Max frame rate (full frame)	100 Hz
Power consumption	2.8 W (no TE cooler) or 4 W (no TE cooler)
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

Command and control	CameraLink or GigE Vision
Connector trigger	SMA
Camera dimensions (width x height x length)	55 mm x 55 mm x 72 mm or 55 mm x 55 mm x 82 mm
Optical interface	C-mount or M42
Camera weight	285 gr or 334 gr

PRODUCT SELECTOR GUIDE

XEN-000297 (Bobcat 640 CL)	XEN-000140 (Bobcat 640 CL vSWIR)
XEN-000298 (Bobcat 640 GigE)	XEN-000139 (Bobcat 640 GigE vSWIR)

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