

SMALL, HIGH PERFORMANCE
InGaAs CAMERA

EXOSSENS
REVEAL THE INVISIBLE

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 us at advancedimaging@exosens.com.

Bobcat 640 Series



KEY PERFORMANCES

Image format / Pixel pitch	640 x 512 pixels/ 20 μ m
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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