

**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.



[Learn more:](#)



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) |