

SMALL, HIGH PERFORMANCE
InGaAs CAMERA WITH GigE INTERFACE

EXOSSENS
REVEAL THE INVISIBLE

Bobcat+ 320 Series



*SMALL, HIGH PERFORMANCE InGaAs
CAMERA WITH GigE INTERFACE*

KEY FEATURES



FLEXIBLE AND EASY TO USE



COMPACT AND LIGHTWEIGHT



**HIGH FRAME RATE OF UP TO
400 Hz**

The Bobcat+ 320 series is based on an in-house developed, temperature stabilised InGaAs detector with a 320 x 256 pixel resolution. Bobcat+ 320 comes with two gain modes (high gain and high dynamic range) and two read out modes (IWR or ITR).

Moreover, a vSWIR version is also available. 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+ 320 Series



KEY PERFORMANCES

Image format / Pixel pitch	320 x 256 pixels/ 20 μ m
Detector type	InGaAs photodiode array with CTIA ROIC
Integration type	Snapshot - global shutter
Spectral range	900 - 1700 nm (GigE); 500 - 1700 nm (GigE vSWIR)
Max frame rate (full frame)	400 Hz
Power consumption	4 W (no TE cooler)
Power supply voltage	DC 12 V

FUNCTIONS & INTERFACES

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

PRODUCT SELECTOR GUIDE

XEN-000732 (Bobcat+ 320 GigE 400)	XEN-000738 (Bobcat+ 320 GigE vSWIR 400)
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