

**SMALL, InGaAs CAMERA FOR
SHORT EXPOSURES**



Bobcat 320 Gated Series

SWIR cooled camera with 320 x 256 resolution



*SMALL InGaAs CAMERA FOR
SHORT EXPOSURES*

KEY FEATURES

- ◆ Frame rate up to 400 Hz
- ◆ Extremely short 100 ns integration time
- ◆ CameraLink or GigE Vision interfacing options
- ◆ Programmable trigger-out
- ◆ Small SWIR area-scan camera

The Bobcat 320 Gated series is based on an in-house developed, temperature stabilized InGaAs detector with a 320 x 256 pixel resolution. The Bobcat 320 Gated cameras are able to provide maximum frame rates up to 400 Hz.

The exposure time of the sensor is configurable from 100 ns up to 1 ms in steps of 100 ns, or from 1 ms to 40 ms. The camera comes with either a CameraLink or GigE Vision interface.



Bobcat 320 Gated Series

EU based supplier



KEY PERFORMANCES

Image format/Pixel pitch	320 x 256 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
Max frame rate (full frame)	400 Hz
Power consumption	2.8 W (no TE cooler) or 4 W (no TE cooler)
Power supply voltage	DC 12V

FUNCTIONS & INTERFACES

Command and control/Digital output format	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-000585 (Bobcat 320 CL Gated)	XEN-000525 (Bobcat 320 GigE Gated)
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sales@xenics.com



xenics.com

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