SMALL, HIGH PERFORMANCE
UNCOOLED THERMAL CAMERA

Xenics
Photonis Group

Gobi+ 640 Series

Long-wave infrared (LWIR) uncooled camera with 640 x 480 resolution

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KEY FEATURES

- Compact size
- Easy connectivity via multiple interfaces
- Frame rates up to 60 Hz
- Lower detector NETD options (< 30 mK available upon request)
- Temperature calibrations for thermographic applications
- Suitable for PCB inspection, laser beam analysis and medical applications like infection detection.

The Gobi+ 640 series is based on an uncooled microbolometer detector with a 640 x 480 pixel resolution.

The Gobi+ 640 offers frame rates up to 60 Hz and lower detector NETD options (<30 mK available upon request). The cameras come with either a CameraLink or GigE Vision interface.

Gobi+ 640 Series

EU based supplier

KEY PERFORMANCES

Image format/Pixel pitch	640 x 480 pixels / 17 µm
Integration type	Rolling Shutter
Spectral range	8 -14 µm
Max frame rate (full frame)	60 Hz (CL;GigE); 9 Hz (GigE)
Power consumption	2.9 W (CL); 4.6 W (GigE)
Power supply voltage	DC 12 V (CL); DC 12 V or PoE (Power over Ethernet) (GigE)

FUNCTIONS & INTERFACES

Command and control	CL; GigE
Ambient operating temperature range	From -40 °C to +60 °C
Storage temperature	From -40 °C to +85 °C
Detector NETD	<50 mK (at 30Hz, 300K, F/1); <30 mK (available upon request)
Shock / Vibration	40 g, 11 ms, MIL-STD810G, MIL-STD883J / 5 g (20 to 2000 Hz), MIL-STD810G/MIL-STD883J

PRODUCT SELECTOR GUIDE

XEN-000646 (Gobi+ 640 GigE)	XEN-000645 (Gobi+ 640 CL)
XEN-000647 (Gobi+ 640 GigE [9 Hz])	

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