SMALL, HIGH PERFORMANCE UNCOOLED THERMAL MODULE



XTM+ 640 Series



SMALL, HIGH PERFORMANCE UNCOOLED THERMAL MODULE

KEY FEATURES

COMPACT SIZE

FRAME RATES UP TO 60 Hz

EASY CONNECTIVITY VIA MULTIPLE INTERFACES The XTM+ 640 Series is based on an uncooled microbolometer detector with a 640×480 pixel resolution.

The XTM+ 640 offers frame rates up to 60 Hz and lower detector NETD options (< 30 mK available upon request).

The modules come with either a CameraLink, GigE Vision or QTE Samtec interface and feature low weight and power.

 $\rightarrow \rightarrow$



XTM+ 640 Series



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 or 9 Hz (CL; GigE; 16bit DV)
Power consumption	2.9 W (CL); 4.6 W (GigE); 2.7 W (16bit DV)
Power supply voltage	DC 12 V (CL); DC 12 V or PoE (Power over Ethernet)(GigE): DC 3 3 V (16bit DV)

FUNCTIONS & INTERFACES

Digital output format Ambient operating temperature range

Storage temperature

Detector NETD

Shock / Vibration

PRODUCT SELECTOR GUIDE

XEN-000637 (XTM+ 640 GigE) XEN-000638 (XTM+ 640 CL) XEN-000635 (XTM+ 640 16bit DV) Ethernet)(GigE): DC 3.3 V (16bit DV)

CL; GigE; 16bit DV From -40° C to $+60^{\circ}$ C; also available in temperature range 0°C - 50°C From -40°C to +85°C

<50 mK (at 30Hz, 300K, F/1); <30 mK (available upon request)

40 g, 11 ms, MIL-STD810G, MIL-STD883J / 5 g (20 to 2000 Hz), MIL-STD810G, MIL-STD883J

XEN-000642 (XTM+ 640 GigE [9 Hz]) XEN-000643 (XTM+ 640 CL [9 Hz]) XEN-000640 (XTM+ 640 16bit DV [9 Hz])

advancedimaging@exosens.com



in 🗙 f 🔚 exosens.com



© Xenics. The information furnished is believed to be accurate and reliable, but is not guaranteed and is subject to change without notice. No liability is assumed by Xenics nor by any Exosens Group companies. Performance data represents typical characteristics as individual product performance may vary. Customers should verify that they have the most current Xenics product information before placing orders. Texts and pictures may not be considered as contractually binding. This document may not be reproduced, in whole or in part, without the prior written consent of Xenics.