



LEOPARD IMAGING INC.

LI-M38-THERMAL Data Sheet

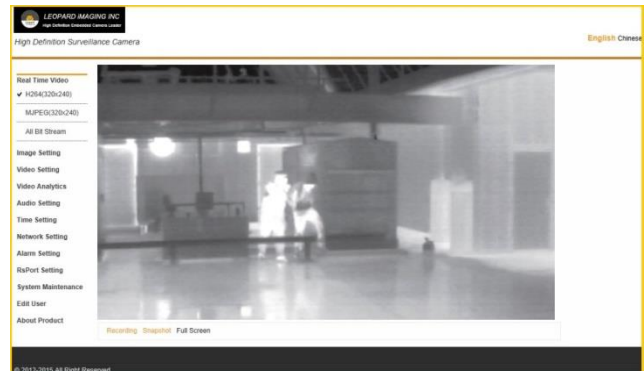
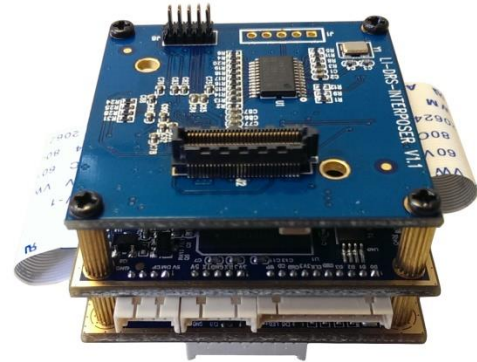
Overview

LI-M38-THERMAL - Utilizing technology advances and expansion into high-volume, low cost manufacturing, Leopard Imaging brings affordable Thermal Imaging technology to commercial surveillance and security application.

The M38 thermal camera module is an Internet Protocol (IP) networked solution. conforming to the Open Network Video Interface Forum (ONVIF) standard, which can be accessed by most of ONVIF compliance NVR and VMS.

Key Features

- 15fps @ 320x240 MJPEG with RAW data
- 30fps @ 320x240 H.264/MJPEG(without RAW) compression video through IP Network
- Raw data output for image analytics
- ONVIF compliant
- Uncooled Thermal Imaging Technology
- Don't need any ambient light or illumination



IE Interface



Onvif



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Specification

Focal Plane Array			
Detector Type	Uncooled VOx Microbolometer		
Array Size	320 x 240		
Detector Pitch	17 um		
Spectral Response	8 - 14 um (LWIR)		
Sensitivity	<50 mK		
Video			
Frame Rate	Configurable for up to 30 fps		
Format	H.264/MJPEG, with/without RAW data		
Gain/Level Control	Automatic		
Image Polarity	White Hot/Black Hot, Invert/Revert		
Zoom	4x Digital Zoom with ePan / eTilt		
Communication Interface			
Protocols	Ethernet (10/100 BaseT), ONVIF conformant		
Electrical			
Voltage	12V DC		
Power	TBD		
Environmental			
Operating Temperature	-40°C to +55°C		
Mechanical			
Dimension (L x H x W)	38mm x 38mm x 28mm		
Weight	TBD		
Optics			
Lens	Athermalized Fixed Focus	Athermalized Fixed Focus	Athermalized Fixed Focus
HFOV	40°	16°	9°
f/no.	1.2	1.1	1.2
Effective Focal Length (EFL)	7.5mm	19mm	35mm



40 °HFOV



16 °HFOV



9 °HFOV



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