

# LI-M38-THERMAL

## Data Sheet

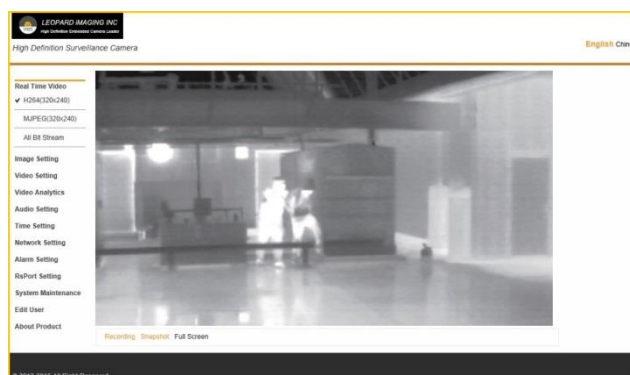
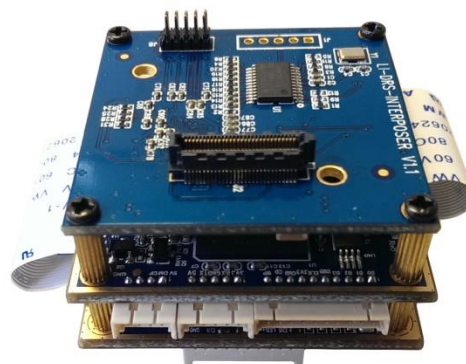
### Overview

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

# 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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