



LEOPARD IMAGING INC.

LI-M38-THERMAL Data Sheet

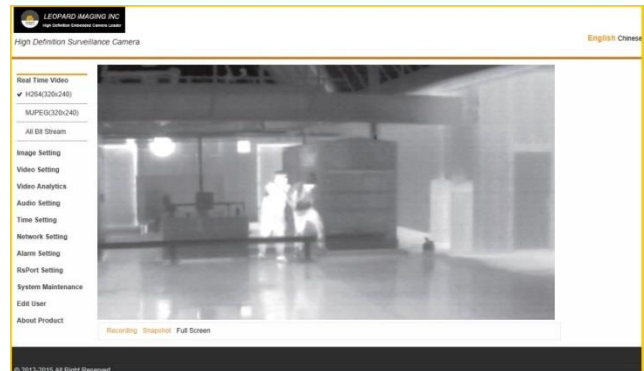
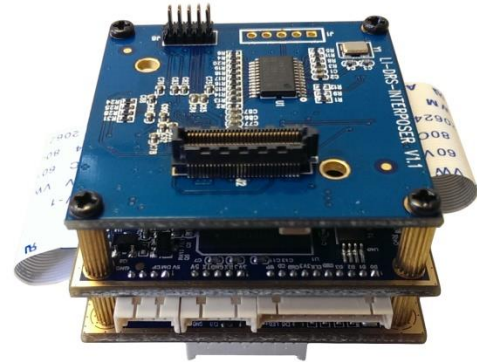
Overview

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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