



Heimdall MW

- T2SL technology
- 320x256 resolution
- Great image quality and uniformity
- Suitable for low flux conditions and fast moving scenes

Description

The Heimdall MW is a 30 μm pitch T2SL QVGA detector for general MWIR applications, especially well suited for low flux conditions or other applications where maximum sensitivity is needed. The groundbreaking T2SL technology combines all the benefits of alternative detector materials (low NETD, excellent quantum efficiency, array uniformity and operability) without their drawbacks. Designing state-of-the-art infrared systems has never been so easy.

Applications

- Security & surveillance
- Handheld and battery powered cameras
- Mobile and stationary platforms



Heimdall MW

GENERAL INFORMATION

| | | |
|-------------|------------------|--|
| Application | General purpose | |
| Technology | T2SL | |
| Format | 320x256 | |
| Pixel pitch | 30 μm | |

TYPICAL DETECTOR PERFORMANCE

| | | |
|--------------------|-------------------------|---------------------------------|
| Spectral range | 3.7 - 5.1 μm | |
| F number options | F/2, F/4 | |
| NETD | 15 mK | |
| Pixel operability | 99.9% | |
| Maximum frame rate | 120 Hz | Selectable frame rate supported |

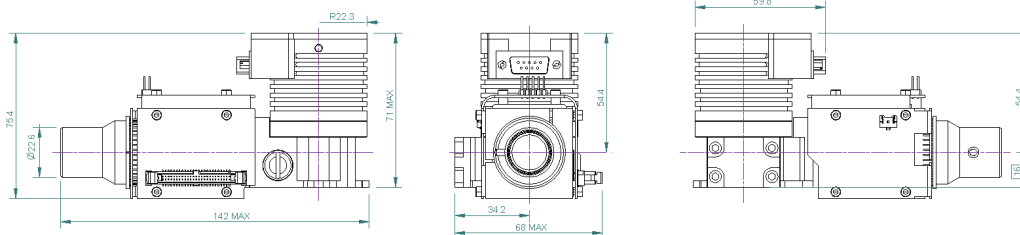
PROXIMITY ELECTRONICS

| | | |
|-----------------------|--------------|---|
| Supply voltage | 12 V | |
| Maximum frame rate | 60 Hz | Selectable frame rate supported |
| Electrical interfaces | LVDS and I2C | Cooler control and proximity electronics included |

IDDCA PARAMETERS

| | | |
|--------------------------|--------------|-------------------------------|
| Cooler options | FS R405K | RM3 or K508 options available |
| Power consumption | 6 W / 11 W | Steady state / Cooldown |
| Cool down time | 4 min | |
| Cooler voltage | 12 V | 24 V cooler options available |
| Weight and dimensions | 550 g | 71x57x142 mm |
| Cooler MTTF | 10 000 h | |
| Environmental conditions | MIL-STD-810G | |

Measurements in mm, for guidance purposes only.



Technical characteristics described above are not contractual and may change without prior notice. This is revision 1.0.