

HOT T2SL VOCS Cooled Infrared Detector

Key Features

- Outstanding images for gas and security purposes
- High sensitivity HOT MWIR T2SL cooled detector
- 320×256 Resolution, 30μm Pixel: model (T3M-330H)
- 640×512 Resolution, 15μm Pixel: model (T6M-330H)
- DC12V power supply
- ≥14,000 hour cooler life



Specifications

| Items | T3M-330H | T6M-330H |
|--------------------------|-----------------|-----------|
| Pixel Resolution | 320 X 256 | 640 X 512 |
| Pixel Pitch | 30 μm | 15 μm |
| Response waveband | 3.2μm—3.5μm | |
| Steady Power Consumption | <6w | <8w |
| Technology | T2SL | |
| Pixel Operability | >99% | |
| NETD | <20mk | |
| Non-uniformity | < 10% | |
| Cooling Method | Stirling Cooler | |

| | |
|-----------------------|---|
| Power Supply | 12VDC |
| Cool Down Time | <5 min. |
| Weight | <550g |
| Frame Rate | 50Hz |
| F Number | F/1.2 (with 3.3 μ m Cold Filter) (Custom F# is possible) |
| Dimension (mm) | 137 X 70 X 60mm |
| Operating Temperature | -40 ~ +60 $^{\circ}$ C |
| Storage Temperature | -50 ~ +70 $^{\circ}$ C |

For Other Gas Types:

| Narrow bandpass filter | Typical detectable gas types |
|------------------------|--|
| 3.3 μ m | Methane Butane, Octane, Xylene, Benzene, Propylene and other VOCs gases |
| 4.3 μ m | Carbon dioxide (CO ₂) and other gases |
| 4.6 μ m | Carbon monoxide (CO) and other gases |
| 6.1 μ m | Nitrogen oxides (NO _x) and other gases |
| 8.3 μ m | Halothane, Refrigerants and other gases |
| 10.55 μ m | Sulfur hexafluoride (SF ₆), ammonia (NH ₃), bromomethane and other gases |

