

**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	Sterling Cooler	

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

For Other Gas Types:

Narrow bandpass filter	Typical detectable gas types
3.3µm	Methane Butane, Octane, Xylene, Benzene, Propylene and other VOCs gases
4.3µm	Carbon dioxide (CO2) and other gases
4.6µm	Carbon monoxide (CO) and other gases
6.1µm	Nitrogen oxides (NOx) and other gases
8.3µm	Halothane, Refrigerants and other gases
10.55µm	Sulfur hexafluoride (SF6), ammonia (NH3), bromomethane and other gases

