





Long-life OGI Infrared Detector

Standard Version & Miniature (SWaP)

- HOT MWIR T2SL Technology
- High sensitivity and high performance
- Low power consumption and smaller size (miniature)

	Specifications			
	Standard		Miniature (SWaP)	
Model	KT3M-330H	KT6M-330H	KT3Mm-330H	KT6Mm-330H
Resolution	320x256	640x512	320x256	640x512
Pixel Pitch	30µm	15 µm	30µm	15 µm
Spectral Response	3.2~3.5 μm Hydrocarbons, VOC (+Methane)			
Steady Power Consumption	<6W	<8w	≤4w	≤5w
Detector Type	HOT MWIR T2SL			
NETD	≤15mk	≤20mk	≤15mk	≤20mk
Operability	>99%			
Cooling Method	Sterling Cooler			
Power Supply	12VDC/24VDC			
Cool Down Time	<5 min			
Weight	<550g		<260g	
Frame Rate	50Hz			
F Number	F/1.2 (with 3.3µm Cold Filter), other F# also available			
Dimension (mm)	137x57X71mm		76x39x57.5mm	

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 (CO) 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		

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*Specifications are subject to change without prior notice $$\rm KT-OGI-202404-VI\ -P$$



Electronic Boards for Cooled Detector

Selection Table for the Boards						
Proxy Board		Video Board	Power Board			
XB-A	XB-B	VB	PWB	TCQ-1		
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AD Module



Video Engine Module



Lens for Cooled Detector

	Infrared Camera	
Focal length	15°x12°	11°x9°
Aperture	1.2	2.0
Horizontal Field of view	15.6°	10°
Vertical Field of view	12.5°	7.5°
Wave Band	3.0 - 3.6 μm	3.0 - 5.0 μm

*Other lens sizes upon request