

C125M

Cooled Infrared Detector

Throttling Cool-down
Fast Startup



Description

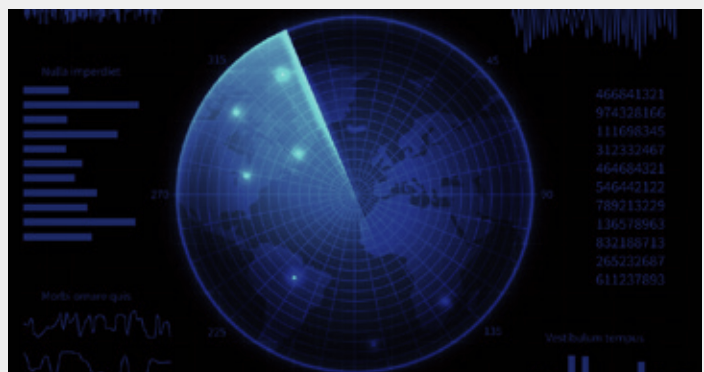
The C125M is a mini J-T cooled MWIR infrared detector with 128×128 resolution and 25μm pixel size. It adopts the throttling cryogenic minicooler technology to ensure rapid cooling.

Throttling cool down, fast startup

Small size, light weight, compact structure

No vibration

No electromagnetic interference





Specifications

Model	C125M MWIR	
Sensitive Material	HgCdTe/MCT	
Resolution	128×128	
Pixel Size	25μm	
Spectral Range	3.7μm±0.2μm ~ 4.8μm±0.2μm	
Working Mode	Snapshot; Integration Mode; Anti-blooming	
Charge Capacity	24Me-/8Me-	
Dynamic Range	≥80dB	
Number of Output	Single; Up to 6.5MHz	
Cryocooler	JF428	JF618
Typical NETD	10mK (F1.5)	10mK (F2)
Effective Pixel Rate	≥99.5%	≥99.5%
Response Non-uniformity	≤5%	≤5%
Cooling Time (20°C)	≤5s (50MPa, Ar, 20°C)	≤20s (50MPa, Ar, 20°C)
Weight	≤100g	≤90g
Maximum Size (mm)	Φ35×48.5	Φ35×42.5
Operating Temperature	-45°C~+71°C	-45°C~+71°C

Specifications are subject to change without prior notice.

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