GSTiR

C330M
Cooled Infrared Detector

Mature
Stable and Reliable

Description

C330M is a mid-wave HgCdTe/MCT cooled infrared detector developed by Global Sensor Technology (GST). It is with the most classical 320x256/30μm spec and is among the earliest products in GST product portfolio. Configured with RS058/RS046H integrated stirling cooler, it can be used for almost all possible applications like long range surveillance system, handheld thermal imagers, gas leakage detection cameras etc.

Guarantee Continuous Supply

- Interchangeable standard interface
- Mass production, good consistency

Designed for Specific Applications

- Wavelength can be customized
- F number can be customized
- Mounting surface can be customized
- Multiple cryocoolers available

Specifications

Model	C330M MWIR
Sensitive Material	HgCdTe/MCT
Resolution	320×256
Pixel Size	30μm
Spectral Range	3.7μm±0.2μm ～ 4.8μm±0.2μm
Working Mode	Snapshot; ITR Integration Mode; Windows Mode; Anti-blooming
Charge Capacity	36Me-/12Me-
Dynamic Range	⩾80dB
Number of Output	1 or 4; Up to 6.6 MHz per Output
Typical NETD	F2: 9mK F4: 15mK
Effective Pixel Rate	⩾99.5%
Response Non-uniformity	⩽8%
Cryocooler	RS058/RS046H
Steady Power Consumption	⩽6W (RS058) ⩽6W (RS046H)
Max. Power Consumption	⩽12W (RS058) ⩽11W (RS046H)
Power Supply	24V DC (RS058) 12V/32V DC (RS046H)
Cooling Time	⩽6min (RS058) ⩽5min30s (RS046H)
Weight	⩽600g (RS058) ⩽350g (RS046H)
Maximum Size (mm)	RS058: 142×58.5×71 RS046H: Compressor 45×35×68 Dewar φ33×75
Operating Temperature	-45°C ～ +71°C

Specifications are subject to change without prior notice.

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