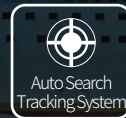


C330S MW/LW Cooled Infrared Detector

The Leading Cooled
Thermal Imaging Technology



Description

C330S combines the advantages of both medium and long wave detection in one single 320×256/30μm infrared detector package, which greatly lowers the false warning rate. Each of the 320×256 pixels in the array can be switched between MWIR and LWIR sensitivity mode by changing the bias voltage on the device, ensuring spatial coherence between the two bands.

Dual-band for Target Information

- Reduce false alarm rate
- Meet the target detection needs of complex backgrounds to improve detection capabilities and anti-interference capabilities

Specifications

Model	C330S MW/LW
Sensitive Material	T2SL
Resolution	320×256
Pixel Size	30μm
Spectral Range	MW: 3.7μm±0.2μm~4.8μm±0.2μm LW: 7.7μm±0.2μm~9.4μm±0.3μm
Working Mode	Snapshot ITR Integration Mode Windows Mode Anti-blooming
Charge Capacity	MW: 8.9Me-/3Me- LW: 21Me-
Dynamic Range	MW: ≥76dB LW: ≥80dB
Number of Output	1 or 4; Up to 12 MHz per Output
Typical NETD	MW: 20mK LW: 25mK
Effective Pixel Rate	≥99.0%
Response Non-uniformity	≤8%
Cryocooler	RS058
Steady Power Consumption	≤9W
Max. Power Consumption	≤18W
Power Supply	24V DC
Cooling Time	≤8min
Weight	≤600g
Maximum Size (mm)	142×58.5×71
Operating Temperature	-45°C ~ +71°C

Specifications are subject to change without prior notice.

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