

» Orion

Dual Band Radiometer



- ▶ The Orion is a compact dual band non imaging radiometer with a boresight camera.
- ▶ Supports 2 spectral channels: NIR – SWIR and MWIR
- ▶ Thermoelectrically cooled detectors
- ▶ Factory-boresight with FOV overlay on the output video image
- ▶ Trigger input
- ▶ Computer controlled via LAN interface

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Dual Band Fast Radiometer

» SPECIFICATIONS

Parameter	Value	Comments
Number of Channels	2	
Spectral Band	1-2.5 μm (InGaAs detector) And 2.5-5.5 μm (PV-MCT detector)	Both are TE cooled contact CI for additional options
Filters	Mounted on the front optics	
Attenuators	Neutral density filters mounted on the front optics	OD = 1 and 2 included
Field of View (FOV)	12° (200 mrad)	
Field of View non-uniformity	< 10%	
Optics clear aperture	23mm	
Rise time	< 40msec	
Radiometer bandwidth	10kHz - 3db point	
A/D rate	up to 3k sample/sec/channel	
Outputs	Data on LAN	
Video aiming sight	FOV Video	Output via BNC
Input	TTL trigger	via BNC
Environmental conditions		
	Operation	0°C - 40°C Rugged for outdoor operation
	Storage	-15°C ÷ 70°C
Power supply	100 - 240 VAC	External
Dimensions	L320 x W190 x H95 mm	
Weight	< 6Kg	