

» Orion

Dual Band Radiometer

Distribution in the UK & Ireland



Lambda Photometrics Limited
Lambda House Batford Mill
Harpenden Herts AL5 5BZ
United Kingdom

E: info@lambdaphoto.co.uk

W: www.lambdaphoto.co.uk

T: +44 (0)1582 764334

F: +44 (0)1582 712084



- ▶ 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 USB interface

» Orion

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 USB 2.0	
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	

Distribution in the UK & Ireland