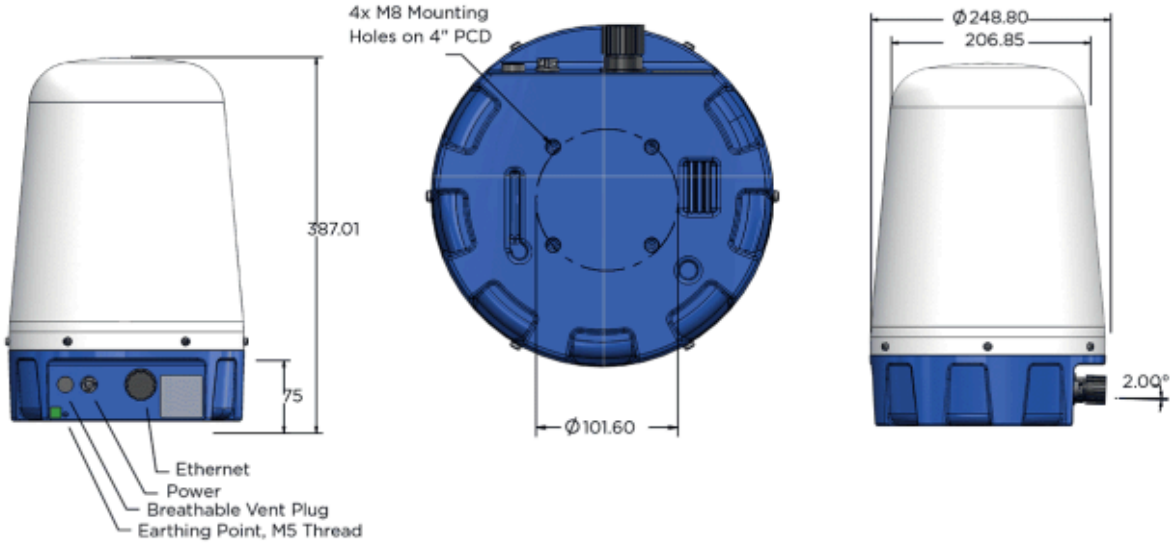
HDR100 SERIES TECHNICAL DATA SHEET

MODELS	INDICATIVE RANGE	UPDATE RATE
HDR132	300 metres	2 Hz
HDR124	200 metres	4 Hz
HDR114	100 metres	4 Hz

DIMENSIONS

Measurements	H387mm x W249mm
Weight	6 kg

Note: Dimensions measured in mm.



Specifications are subject to change without notice.
All images used are for illustrative purposes only.
Due to customer use beyond our control, Navtech Radar cannot assess product relevance for specific applications. Customers are responsible for testing products and reviewing regulations to ensure safe operation.

Navtech complies with the following ISO standards

ISO 9001:2015 Quality
ISO 27001 Information Security
ISO 20000 IT Service Management
ISO 45001 Health and Safety
ISO 14001 Environmental

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www.navtechradar.com

Safety is everything.

TECHNICAL SPECIFICATIONS - HDR100 Series

Operating Frequency	76 - 77 GHz
Operating Range	5-300m Person 5-300m Vehicle
Range Resolution	0.175m
Azimuth Beamwith	1.8°
Elevation Beamwidth	1.8°
Infill Elevation Beam	Standard
Measurement Rate	400 per rotation
Field of View	360°
Update Rate (Rotation Speed)	0.5s (2 Hz) / 0.25s (4 Hz)
Data Connection	1 Gbps Ethernet
Power Consumption	24 Watts
Power Supply	24 Volts DC or POE+*
Mounting Height	2-4m
Safe Working Distance (from radome)	0m
Operating Temperature	-20°C to + 60°C
Environmental	UL50/50E IP 67 BS EN 60068-2-52:1996 Test Kb Severity 3
Compliance	CE, UKCA , ACMA, FCC, ISED Marked
EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
Radio Equipment Directive	2014/53/EU
Additional Notes	*PoE Power Supply Considerations Recommended Operating Conditions DC Supply Voltage: 36 to 57V Absolute Maximum Ratings DC Supply Voltage: -0.3 to 60V DC Supply Voltage Surge for 1ms: -0.6 to 80V Exceeding these ratings may cause permanent damage to the product

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