

# HDR200 SERIES TECHNICAL DATASHEET



MODELS	INDICATIVE RANGE	UPDATE RATE
<b>HDR292</b>	1,000 metres	2 Hz
<b>HDR282</b>	800 metres	2 Hz
<b>HDR252</b>	500 metres	2 Hz

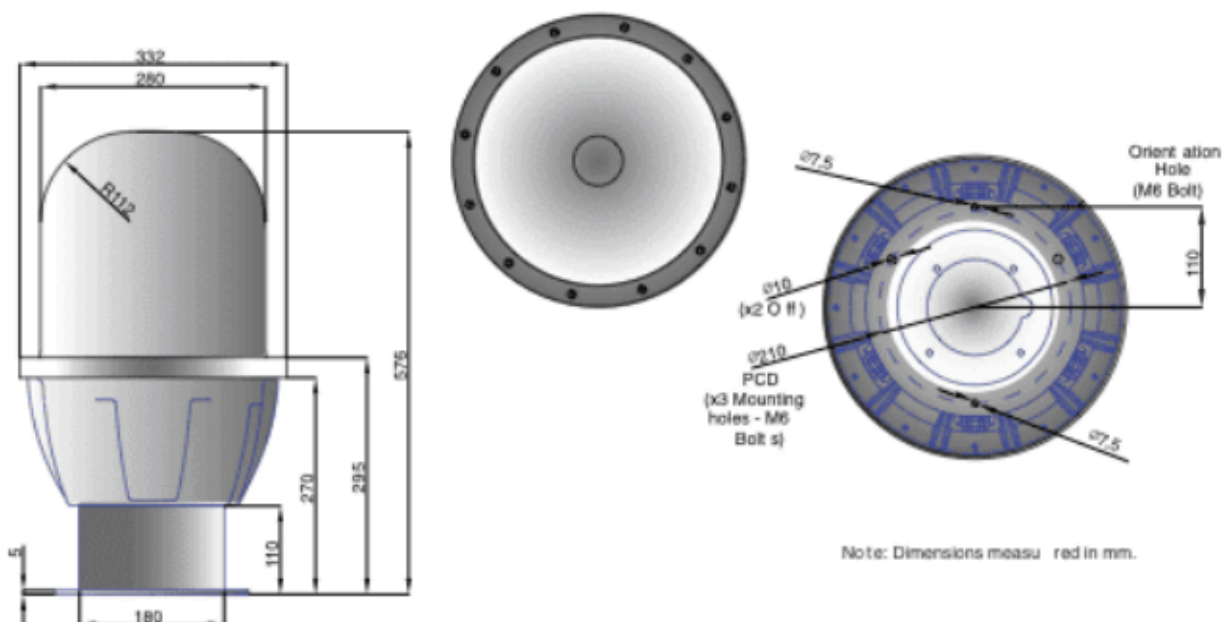
## DIMENSIONS

**Measurements**

H575mm x W332mm

**Weight**

14 kg



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 45001 Health and Safety  
ISO 14001 Environmental  
ISO 20000 IT Service Management

**Navtech Radar**



+44 (0) 1235 832 419



www.navtechradar.com



**Safety is everything.**

AG-PM-0002 V2.1

## TECHNICAL SPECIFICATIONS - HDR200 Series

<b>Operating Frequency</b>	76 - 77 GHz
<b>Operating Range</b>	HDR292 : 5-1000m Person or Vehicle HDR282 : 5-800m Person or Vehicle HDR252 : 5-500m Person or Vehicle
<b>Range Resolution</b>	HDR292 : 0.175m HDR282 : 0.175m HDR252 : 0.175m
<b>Azimuth Beamwidth</b>	1.8°
<b>Elevation Beamwidth</b>	4°
<b>Infill Elevation Beam</b>	Optional
<b>Measurement Rate</b>	400 per rotation
<b>Field of View</b>	360°
<b>Update Rate (Rotation Speed)</b>	0.5s (2 Hz)
<b>Data Connection</b>	1 Gbps Ethernet
<b>Power Consumption</b>	24 Watts
<b>Power Supply</b>	24 Volts DC
<b>Mounting Height</b>	HDR292 : 3-6m HDR282 : 2-4m HDR252 : 2-4m
<b>Safe Working Distance (from radome)</b>	0.1m
<b>Operating Temperature</b>	-20°C to + 60°C
<b>Environmental</b>	UL50/50E IP 67 BS EN 60068-2-52:1996 Test Kb Severity 3
<b>Compliance</b>	CE, UKCA , ACMA, FCC Marked
<b>EMC Directive</b>	2014/30/EU
<b>Low Voltage Directive</b>	2014/35/EU
<b>Radio Equipment Directive</b>	2014/53/EU

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