

HD Colour and Super HD Colour Open Array Radar Systems

Raymarine HD Color and Super HD Color Open Array Radar

Raymarine Legacy Product

Raymarine HD Color and Super HD Color Open Array Scanners are now retired and the following information is for reference purposes only.

Find out more about the Magnum Open Array Radar here (</marine-radar/open-array/magnum/>)

Enhanced Performance

Choose a Raymarine HD Colour or Super HD Colour open array scanner for enhanced performance and range. These large scanners, equipped with a more efficient antenna (increased gain) and narrow beam widths, deliver substantial improvements in range and bearing resolution giving great performance and clear target separation.

Available with 1.31m (~4'4") or 1.92 m (~6'4") antenna beams.

Features

Specifications


Documents

Radar Cables

HD & Super HD Digital Open Array Radar



Specifications

			
	RAYMARINE RADAR SCANNERS		
	HD COLOUR SCANNERS		
Model Part Number	RA1048HD T70170	RA1072HD T70171	RA1072HD T70171
Scanner Power and Type	4kW HD Color		1.0
Antenna Size	1.31m (~4ft 4in.)	1.92m (~6ft 4in.)	1.92m (~6ft 4in.)
Max Range Scale	72nm		
Scanner Weight (Pedestal + Antenna)	26 kg (57.3.4 lbs)	29 kg (63.9 lbs)	29 kg (63.9 lbs)
Beam Width Horizontal (Nominal)	1.85°	1.15°	1.15°
Effective Horizontal Beam Width (after Super HD Processing)	N/A		
Beam Width Vertical -3dB	25°		
Antenna Side Lobes (Inside 10°)	< -21dB		
Antenna Side Lobes (Outside 10°)	< -30dB		
Rotation Rate	24 rpm		
Receiver Bandwidth	Matched digital filter for each channel		
Pulse Length/PRF Settings	8		
Voltage	10.8 to 32 volts DC (using supplied power supply)		
Power Consumption (Typical)	<70W (transmit) <30W (standby) <1.2W (sleep)		<70W (transmit) <30W (standby) <1.2W (sleep)
Number of Displayed Video Levels	256 (8-bit)		

Operating Temperature Range	-10°C to +55°C D6
Non-Operating Temperature Range	-20°C to +70°C C6
Waterproofing Standard	IPX6
Scanner Cable Length	15 m standard (5m 10 m and

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