

Raymarine®

DIGITAL RADAR

RD418D

RD424D

Digital Radomes for G-Series,
E-Series and C-Series Widescreen
multifunction displays.

DIGITAL



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RD418D

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RD424D



E-Series

C-Series Widescreen

G-Series

DIGITAL RADOMES

The RD418D and RD424D digital radar scanners set the benchmark for compact radar antenna performance. Each radome uses Raymarine's exclusive low-noise receiver technology for superior weak target detection. A class leading 8 pulse width/PRF transmitter ensures optimum performance through every range scale and Auto GST™ technology provides intelligent control of gain, sea clutter and tune adjustments automatically. Choose the powerful yet space saving RD418D radome with 4 kilowatts of output power and a narrow 4.9° horizontal beam width for enhanced target resolution. The larger 4 kW RD424D offers superior resolution with a 3.9° degree beam width. These highly advanced digital radomes are easy to install, thanks to a small diameter inter-unit cable for both power and SeaTalk^{hs} networking.

KEY FEATURES

- Unmatched radome performance using a combination of digital and analog signal processing
- Narrow horizontal beam widths for superior target detection and resolution
- High power 4kW transmitters for penetrating rain and fog
- 48nm maximum range scale
- SeaTalk^{hs} networking - plug and play with C-Series Widescreen, E-Series and G-Series multifunction displays and networks
- 8 pulse-width/PRF transmitter provide optimum performance at all ranges
- Auto GST™ provides enhanced small target returns and eliminates clutter automatically
- Simplified installation using a thin interconnect cable for power and data

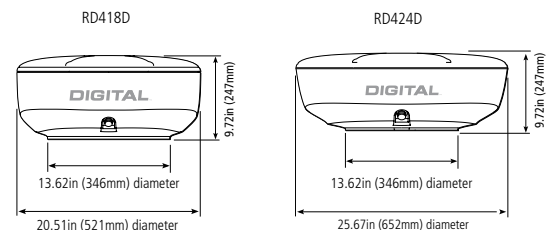


RADOME SPECIFICATIONS

	RD418D Radome	RD424D Radome
POWER		
Nominal Voltage (volts DC)	12v, 24v systems	12v, 24v systems
Absolute voltage range	10.8-32v DC	10.8-32V DC
Power consumption (typical/standby)	40W transmit, 20W standby	40W transmit, 20W standby
ENVIRONMENTAL		
Temperature range	-10°C to +55°C Operating -20°C to +70°C Non-Operating	-10°C to +55°C Operating -20°C to +70°C Non-Operating
Humidity	Up to 95%	Up to 95%
Waterproofing standard	IPX6	IPX6
Product Weight lbs (kg)	21 (9.5)	22 (10)
SCANNER FEATURES		
Maximum range scale	48nm	48nm
Transmitter frequency	9405 +/- 25 MHz	9405 +/- 25 MHz
Peak power output	4 kW	4 kW
Pulse length/PRF	8 (auto target/expand)	8 (auto target/expand)
Horizontal beam width -3dB	4.9°	3.9°
Vertical beam width -3dB	25°	25°
Rotation Rate	24 rpm	24 rpm

RADOME ORDERING INFORMATION

PART #	DESCRIPTION
E92129	RD418D 4kW digital radome with 10m cable
E92130	RD418D 4kW digital radome only
E92131	RD424D 4kW digital radome with 10m cable
E92132	RD424D 4kW digital radome only



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Raymarine Inc.
21 Manchester Street
Merrimack, NH 03054
USA
Tel: 603.881.5200
Fax: 603.864.4756
www.raymarine.com

Raymarine plc
Anchorage Park
Portsmouth, Hampshire PO6 3TD
United Kingdom
Tel: +44 (0)23 9269 3611
Fax: +44 (0)23 9269 4642
www.raymarine.com

Additional information, specifications and interactive product tours available online at www.raymarine.com



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