

# DGY900-3

## 3-Element Yagi Directional Antenna — 698–960 MHz | 6 dBi

The DGY900-3 is a compact, professional-grade **3-element Yagi directional antenna** designed for telemetry, alarm communication and IoT applications requiring directional gain in a smaller, lighter form factor. Built from **6061 anodised aluminium** with a C4 stainless steel mast clamp, it is ready for permanent outdoor installation.

Covering **698–960 MHz** with **6 dBi forward gain** and a **14 dB front-to-back ratio**, the DGY900-3 offers meaningful directional advantage over omni-directional alternatives in a compact 41 cm boom. It is an ideal entry-level directional solution for security panels, alarm communicators and low-power IoT devices operating on Australian 4G LTE 700/850/900 MHz bands. Ships complete with **10 metres of double-shielded RG58 cable** terminated N(M) and SMA(M), ready to install. Factory retunable to specific frequencies within the bandwidth on request.

### MODEL COMPARISON — DGY900 YAGI SERIES

Specification	DGY900-3 (this model)	DGY900-6
Elements	3	6
Forward Gain	6 dBi	12 dBi
Front-to-Back	14 dB	14 dB
Frequency	698–960 MHz	700–960 MHz
Boom Length	41 cm	69 cm
Boom Width	170 mm	180 mm
Power Rating	150 Watts	150 Watts
VSWR	< 1.5 : 1	< 1.5 : 1
Cable Supplied	10M RG58 double-shielded	10M RG58 double-shielded
Connector	N Female (antenna)	N Female (antenna)
Best suited for	Compact installs, short range, alarm panels, entry-level IoT	Long-range, fringe areas, telemetry, high-noise RF environments

### ELECTRICAL SPECIFICATIONS

Gain	6 dBi
Front-to-Back Ratio	14 dB
Frequency	698–960 MHz (Retunable within bandwidth on request)
VSWR	< 1.5 : 1
Impedance	50 Ohm
Power Rating	150 Watts
Cable	10M RG58 Double-shielded
Connector	N Female (Jack) at antenna   N(M) + SMA(M) at cable end



### MECHANICAL SPECIFICATIONS

Antenna Length	41 cm (410 mm)
Boom Width	170 mm
Number of Elements	3 (Reflector + Driven Element + 1 Director)
Antenna Material	6061 Anodised Aluminium
Mast Mounting	C4 Stainless Steel U-Bolt Clamp — suits standard round mast
Connector (antenna)	N Female (Jack)
Cable Supplied	10M RG58 Double-shielded   Terminated N(M) and SMA(M)

### TYPICAL APPLICATIONS

Security Alarm Communicators	Suburban 4G Coverage Extension	Entry-Level Telemetry
Smart Meter & Utility Monitoring	Vehicle Tracking & Fleet IoT	Compact Fixed Installs
Agricultural Sensors & Monitoring	Industrial IoT Gateways	Remote Data Loggers

## Ready to Order or Need a Custom Solution?

D&G Antennas supplies Australia's leading telemetry engineers, security integrators, fleet operators and rural communications specialists with professional-grade directional antenna solutions. Whether you need a single unit or a volume order, our team is ready to support your project from specification through to delivery.

Factory retuning to specific frequencies within the bandwidth is available on request. Custom cable lengths and alternative connector types available. Stock items typically ship within 7 business days.

#### GET IN TOUCH

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**Exclusive Tier 1 Trade Pricing Available.** D&G Antennas offers exclusive Tier 1 pricing for qualified trade partners, system integrators and volume buyers. Contact our sales team directly to discuss your requirements and receive a tailored pricing schedule.

*Specifications subject to change without notice. D&G Antennas Pty Ltd — 3/1 Harford Street, Jamisontown NSW 2750.*