



1090 MHz Yagi Antennas for Virtual Radar Systems

Frequency:1070-1110MHz, gain:16dBi 14dBi, It is designed primarily for directional applications, Point to multipoint systems . The wide band antenna ideally suited for 1090MHz Virtual Radar system ,Non Line of Sight (NLOS) applications

The Yagi directional Series antenna system offered by ZDA is constructed of 6061-T6 Aluminum for outstanding service life. Individual elements are riveted to the main boom for permanent attachment with stainless rivets. These antennas have high gain and good front to back performance to minimize external interference. They can be mounted in vertical or horizontal polarization, provides the user with anodized aluminum boom, solid elements, Heavy duty mounting hardware, Waterproof Design for all-weather operation. these Yagi directional antenna features from ZDA are offered at affordable cost-effective price.

Features:

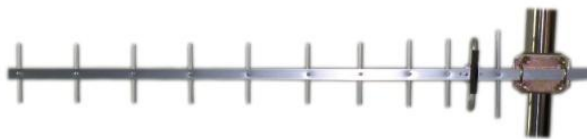
- 16dBi High Gain
- All weather Anodized Aluminum construction
- Can be installed for either vertical or horizontal polarization
- Solid Aluminum elements, riveted with stainless steel rivets.
- Heavy duty mounting hardware

Applications :

- Virtual Radar Systems
- Non Line of Sight (NLOS)



ZDADJ1090-16YG



ZDADJ1090-14YG





1090MHz yagi Antennas

1070-1110 MHz Yagi antenna series specifications

Model	ZDADJ1090-14YG	ZDADJ1090-16YG
Frequency Range	1070-1110MHz	1070-1110MHz
Gain	14.5dBi	16dBi
Polarization	Vertical or Horizontal	Vertical or Horizontal
Horizontal Beam Width	34°	26°
Vertical Beam Width	31°	22°
VSWR	<1.5	<1.5
Front to back ratio	>15dB	>15dB
Input Impedance	50 ohm	50 ohm
Input Maximum Power	200 W	200 W
Lightning Protection	DC Ground	DC Ground
Connector	N female or customized	N female or customized
Size	1070mm	1600mm
Antenna Material	Alu alloy	Alu alloy
Antenna Structure	11units	16 units , two pieces design
Operating Temperature	-40to 85° C (-40to 185° F)	-40to 85° C (-40to 185° F)
Diameter of Installation Pole	1.2-2.3in. (30-55mm)	1.2-2.3in. (30-55mm)
Weight	0.8 kg	1kg
Wind Loading:	Can survive up to 120 MPH	Can survive up to 120 MPH
100MPH	8.6lb.	15.2lb.
120MPH	10.2lb.	19.2lb.