

8DA-H, 8-Bay Exposed Dipole Array Antenna

8DA-H series antennas is a super gain exposed dipole array antennas. This eight dipole array offer great coverage for data and voice radio applications.

This antennas is a perfect solution for large coverage LMR sites in narrow band channels.

The dipoles can be arranged in different arrays, gains and coverage areas, depending the need of the project and required coverage area.

As well, these antenna offer great flexibility by mounting the dipoles in different arrays to achieve larger gain or special radiation patterns

FEATURES

- Rugged Design
- Aluminum Dipoles
- N connector with RG8 Pigtail (M/F)
- Max Power: 500 watts
- VSWR: less than 1.5:1
- Bandwidth: 10 Mhz
- Stainless Steel Mounting Hardware
- Mounting Hardware up to 2" pole
- Easy installation and stacking
- Lightning Protection: DC Ground
- Wind Survival: 150 M.P.H.



Shown with mast.
Mast not included.
Shown in collinear configuration

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Electrical Specifications

Frequency Range	138-174 Mhz Antennas ship tuned to customer's center frequency
Dipoles	8
Patterns	Circular offset, Bidirectional, Cardioid
Bandwidth	10 Mhz
VSWR	1.5:1
Gain Offset	12 dB
Gain Omni	9 dB
Impedance	50 ohms
F/B Ratio	>15 dB
Max Input Power	500 watts
Polarization	Vertical
Lightning protection	All Elements DC Ground
Beamwidth, Horizontal	180° / 360°
Beamwidth, Vertical	14°
Optional Beam Tilt	0° -15° Electrical beam tilt requires consultation with our engineering department and has an additional cost Standard model is shipped at 0° Beam Tilt

Mechanical Specifications

Dipoles Material	High Strength Corrosion Resistant Aluminum
Maximum Dimensions	Length: 5000 mm / 10000 collinear configuration Deep: 100 mm Width: 670 mm
Maximum Weigth	24 Kg
Connector ** add connector gender to model	N Male / N Female with RG-8 cable pigtail
Mounting Mast Diameter	40-60 mm
Wind Survival	240 Km/hr (150 MPH)
Cable Harness Type	RG-8 Coax Cable
Operational Temperature	-20°C to +70°C