JFHD

THE JAMPRO JFHD HORIZONTAL DIPOLE FLAT PANEL FM BROADCAST ANTENNA

The JAMPRO JFHD is a horizontally polarized FM broadcast panel antenna system. Each panel contains dual dipoles, featuring high gain and low downward radiation. Rugged galvanized steel or stainless steel construction insures many years of dependable performance in even the harshest environments. The JFHD antenna has proven to have excellent bandwidth and pattern stability. Standard and custom directional patterns are available to fit any of your coverage requirements.

Single panel gain 8 dB

FM band (88-108 MHz)

Ideal for broadband multi-frequency applications

Horizontally polarized

Omni-directional or custom patterns available

Rugged hot dipped galvanized steel construction

Pressurized feed system & dipoles

Dipole radomes optional

Custom mounting brackets available

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# Bays	Panels per Bay	Gain (times)	Gain (dB)	Height (ft/m)	Projected Area (sq. ft)
1	2 3 4	3.2 2.2 1.6	5.1 3.5 2.1	9.2ft / 2.8m	Contact Factory
2	2 3 4	6.5 4.5 3.2	8.1 6.5 5.1	19.2ft / 5.85m	
4	2 3 4	12.9 8.9 6.5	11.1 9.5 8.1	39.3ft / 12m	
6	2 3 4	19.5 13.5 9.8	12.9 11.3 9.9	58.5ft / 17.85m	
8	2 3 4	26.9 17.8 13.5	14.3 12.5 11.1	79.4ft / 24.2m	
10	2 3 4	32.0 21.4 16.0	15.0 13.3 12.1	96.0ft / 29.26m	
12	2 3 4	38.5 25.6 19.2	15.9 14.1 12.8	120.0ft / 366.58m	

*Values provided average/RMS gains; All other stated gains are Peak gains. Gains do not include losses for feed system beam tit or null fill.

NOTES:

1. Weights and wind loads contact factory.
2. All inputs EIA flange, female, 50 ohm.
3. Polarization is horizontal.
4. Power rating available in many different ratings.
5. Optimized bandwidth over nominal 50 ohm VSWR of 1.1:1 over FM band available. Contact factory for details.
6. Power gain is based on half wave dipole in free space
7. Radomes optional. Specifications on request.
8. Height based on 1/2 wave spacing.
9. All specifications are subject to change.

OPTIONS:

Options available include FCC-Directionalization, Pattern Measurement Service, Beam tilt and Null fill, Special mounting brackets.

Non-ionizing Radiation

Since many factors contribute to a station's compliance with the FCC exposure guidelines for radio frequency radiation, JAMPRO ANTENNAS, INC. cannot accept any responsibility in this matter. The station must examine and determine its status based on each individual situation.

*All specifications subject to change without notice.