



# JCPD-HD

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## The JAMPRO JCPD 4-Dipole Flat Panel Antenna

The JAMPRO JCPD antenna is a circularly polarized 4-dipole flat panel antenna system. Rugged galvanized steel construction insures many years of dependable performance in even the harshest environments. Protective lightweight radomes may be added as protection against heavy ice buildup. The JCPD antenna has proven to have excellent bandwidth, with typical VSWR of <math><1.1:1</math> or better. Many standard and custom directional patterns are available to fit any of your coverage requirements. Configured for dual inputs, analog and HD.

Available for FM Band II  
(87.5 - 108 MHz)

Excellent for Multi-User  
Applications

Omni-Directional or Custom  
Directional Patterns Available

Rugged Construction of Marine  
Brass and Hot Dipped Galvanized  
Steel

All Insulators of Virgin Teflon

Fiberglass Radomes Available

Custom Mounting Brackets  
Available

Two-Year Warranty



JAMPRO JCPD Broadcast Antenna						
# Bays	Panels Per Bay	Power Gain	Gain (dB)	Antenna Height (ft.)	Net Weight (lbs.)	Windload (lbs.)
1	2	1.6	2	7	552	1106
	3	1.1	0.4		827	1517
	4	0.8	-1		1103	1896
2	2	3.2	5.1	17	1088	2213
	3	2.2	3.4		1632	3034
	4	1.6	2		2176	3793
4	2	6.5	8.1	37	2161	4425
	3	4.5	6.5		3241	6069
	4	3.3	5.2		4322	7586
6	2	9.8	9.9	57	3234	6638
	3	6.8	8.3		4850	9103
	4	4.9	6.9		6467	11379
8	2	13.2	11.2	77	4306	8850
	3	9.2	9.6		6460	12137
	4	6.6	8.2		8613	15172

**Notes:**

1. Weights and windloads shown include panels, complete feed system with power splitters, dividers and feed lines.
2. Windload ratings are based on 50/33 PSF (98 MHz-midband).
3. All inputs EIA flange, female, 50 ohm.
4. Polarization is circular.
5. Input power capability available in many different ratings.
6. Optimized bandwidth over nominal 50 ohm VSWR of 1.1:1 available. Contact factory for details.
7. Power gain is based on half wave dipole in free space.
8. Radomes optional. Contact factory for details.
9. Weights and windloads calculated without ice.

**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 are subject to change.