

Control Station Antennas – VHF band, Dual Omni, Unity gain (0 dBd) Model DS1X00CS36DN

Specifications	
Design Type	3" Fiberglass radome
Frequency Range	148-174 MHz
Configuration	Dual Antenna (2-ports)
Gain - dBd (average over BW)	Unity gain (0 dBd)
Beam Tilt (electrical downtilt)	None (0°)
Vertical Beamwidth (E-Plane), nom.	60°
Impedance – Ohms	50
Isolation between Antenna ports	25 dB typ.
VSWR / Return Loss -- dB	1.5 : 1 / 14 dB (min.)
Average Power Rating	300 W (each antenna)
Polarization	Vertical
Lightning Protection	Direct Ground
Connector	N-type female x 2
Equivalent Flat-Plate Area	1.9 sq. ft. max.
Lateral Windload Thrust @100mph	70 lbf. max.
Rated Wind Speed	175 mph (without ice)
Total Length	10 feet
Mounting Hardware (included)	YES
Mast O.D.	2.5 inches
Radome color	Horizon Blue
Weight, antenna and hardware	32 lbs.
Shipping Weight	45 lbs.
Invertibility	YES, this model is invertible



Features and Benefits

Control Station Antennas are optimized for control station applications and similar where medium-duty lower-gain models are preferred.

“Dual” configuration saves antenna space – 2-port design offers “two antennas in one” package!

Sturdy Construction – Heavy-wall 3-inch diameter fiberglass radome minimizes tip deflection yet manages weight and windloading properties.

Excellent Lightning Protection – heavy internal conductor DC ground.

Radiation Patterns:

