

## HyperLink Wireless 698-960/1710-2700 MHz 90 Degree Sector Panel DAS Antenna Model: HG72714P-090

### Applications

- DAS (Distributed Antenna Systems)
- 700 MHz and cellular applications
- AWS (Advanced wireless services) and PCS (Personal communications service) band applications
- IEEE 802.11b/g WiFi applications
- LTE networks

### Features

- Frequency coverage for 700 MHz, 850 MHz, AWS and PCS bands
- All weather operation
- Heavy duty steel mounting brackets
- Integral N-Female connector
- Internal combiner eliminates the need for separate coax cables for each frequency



### Description

The HyperLink HG72714P-090 is a professional grade 90 degree sector panel antenna specifically designed for DAS (Distributed Antenna Systems). This outdoor all weather antenna helps wireless carriers to quickly increase capacity as well as deploy new spectrum in zoning challenged locations. The HG72714P-090 combines several different frequency bands to allow multi-user options. Applications for the HG72714P-090 include:

- Densely populated urban areas
- Educational campuses
- Resorts and theme parks
- Parks and nature centers

### Rugged and Weatherproof

This antenna's construction features a durable UV resistant PVC radome for durability and aesthetics. Its mounting system features heavy-duty up/down tilt mounting brackets. This allows installation at various degrees of incline for easy alignment.

### Single Antenna Feed

The HG72714P-090 features a single N-Female connector due to the antenna's internal combiner. This simplifies installation since only one coax cable is required to be sent to the antenna.

## Specifications

### Electrical Specifications

Frequency Range	698 – 960 MHz	1710 – 2700 MHz
Gain	13 dBi	14 dBi
Horizontal Beamwidth	90°	
Vertical Beamwidth	17°	13°
Polarization	Vertical	
Impedance	50 Ohm	
Max. Input Power	200 Watts	
Front to Back Ratio	> 23 dB	
VSWR	< 1.6	< 1.7
Lightning Protection	DC Ground	

### Mechanical Specifications

Connector	Integral N-Female
Weight (Including Bracket)	20.3 lbs (9.2 kg)
Dimensions	61.7 x 12.6 x 6.3 in. (1568 x 320 x 160mm)
Radome Material	UV Resistant PVC
Radome Color	White
Mounting Mast Size	1.96 – 4.13 in. (50 – 105mm)
Mechanical Tilt	0-14°
Operating Temperature	-40° C to 60° C (-40° F to 140° F)
RoHS Compliant	Yes

### Wind Loading Data

Wind Speed (MPH)	Loading – Front	Loading – Side
100	276 lbs	138 lbs
125	432 lbs	216 lbs

### RF Antenna Patterns

