Symmetrical Horn 30°

5 GHz SYMMETRICAL HORN ANTENNA WITH UBR MOUNT

Symmetrical Horn™ 30° antennas deliver a symmetrical beam pattern with identical beam width in both azimuth and elevation planes. The radiation pattern features heavily suppressed side lobes, providing excellent noise immunity and superior performance in dense wireless environments. The 30° beam represents an optimal choice for balanced coverage, compact form factor, and exceptional scalability of wireless networks.

The new HG4 generation introduces a redesigned antenna body made from extruded aluminum, significantly improving corrosion resistance, and outdoor longevity. The updated design also integrates the proven UBR mount, a robust and easy-to-install solution tested in tens of thousands of real-world deployments. Enhanced materials and optimized construction deliver reduced weight, superior durability, and long-term reliability in all weather conditions.

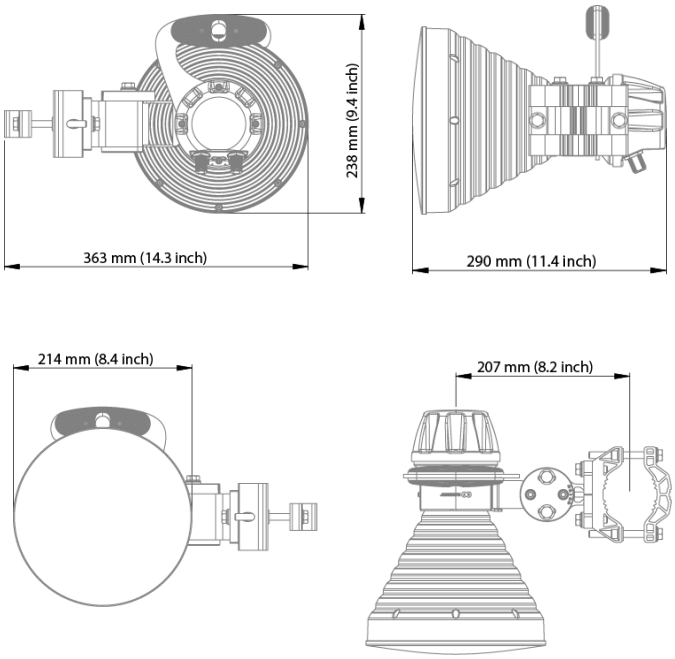
TECHNICAL DATA

Antenna Connection	2x N Female
Antenna Type	Symmetrical Horn
Materials	UV Resistant ABS Plastic, Polyethylene, Aluminium, Stainless Steel
Enviromental	IP55
Flame Rating	UL 94 HB
Pole Mounting Diameter	30-80 mm (1.1-3.1 inch) Recommend as close to 80 mm (3.1inch) as possible
Temperature	-30°C to +55°C (-22°F to +131°F)
Wind Survival	180 km/h (110 mph)
Wind Load	52/26 N - Front/Side at 160 km/h (100 mph)
Effective Projected Area	428/214 cm2 - Front/Side (66.3/33.2 in2)
Mechanical Tilt	± 25°
Weight	2.9 kg / 6.4 lbs single unit 3.9 kg / 8.6 lbs single unit incl package 21 kg / 46.3 lbs 5 units in wholesale carton
Single Unit	420 x 245 x 255 mm / 16.5 x 9.6 x 10 inch
5 Units Carton	440 x 290 x 1240 mm / 17.4 x 11.4 x 48.8 inch

PERFORMANCE

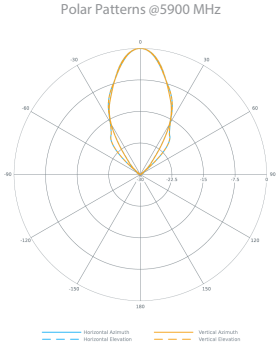
Frequency Range	5100 - 6775 MHz
Gain	18 dBi
VSWR	≤1.6
Azimuth Beam Width -3 dB	H 20° / V 20°
Elevation Beam Width -3 dB	H 20° / V 20°
Azimuth Beam Width -6 dB	H 30° / V 30°
Elevation Beam Width -6 dB	H 30° / V 30°
Beam Efficiency*	92 %
Front-to-Back Ratio	33 dB

PRODUCT DIMENSIONS



RADIATION PATTERNS

Polar Patterns @5900 MHz



GAIN