



2x2 Dual-Polarity MIMO Omni Antenna

Models: IV-AMO-2G10, IV-AMO-2G13, IV-AMO-3G12, IV-AMO-5G10, IV-AMO-5G13

High Performance, Long Range

360° Coverage



Overview

The IDVIEW Omni Antenna is a carrier-class 2x2 dual-polarity MIMO omni directional antenna designed

On the right is one example of how the IDVIEW Omni Antenna can be deployed in a Point-to-MultiPoint (PtMP) network.

Flexibility

To support your specific application, the IDVIEW Omni Antenna is available in multiple frequency models:

- 2.4 GHz
- 3 GHz
- 5 GHz

Breakthrough Design

The IDVIEW Omni Antenna is the first of its kind to feature a patented, dual-polarity omni design.

Omnidirectional Coverage

The IDVIEW Omni Antenna provides powerful 360° coverage, 2x2 MIMO performance in Line-of-Sight (LoS) or Non-Line-of-Sight (NLoS) applications.

Durable Construction

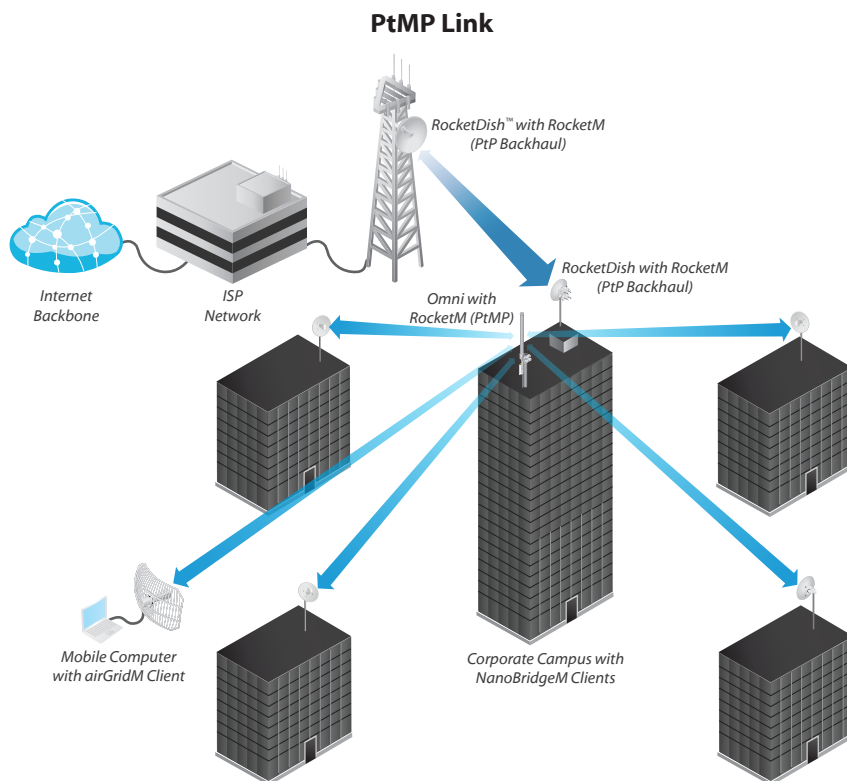
Each IDVIEW Omni Antenna features a robust mechanical design for outdoor application use.

Plug and Play Integration

Every IDVIEW Omni Antenna has a built-in Rocket mount, so installation requires no special tools. Snap the Rocket securely into place and mount the antenna; you then have the optimal combination of Rocket radio and IDVIEW Omni Antenna for your application.

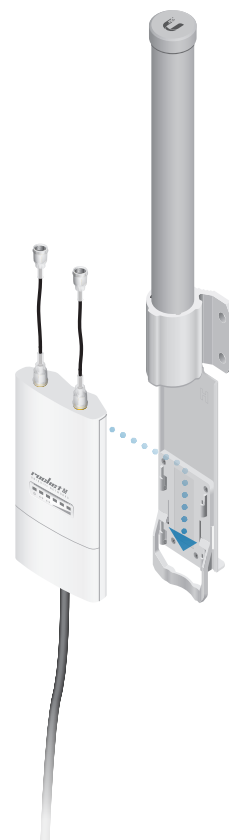
Pair the Rocket radio with the IDVIEW Omni Antenna to create a powerful omnidirectional basestation. This combination gives network architects unparalleled flexibility and convenience.

Application Example



The combination of the IDVIEW Omni Antenna with a Rocket radio provides 360° coverage and utilizes IDVIEW technology to provide carrier-class performance and power.

Rocket Radio with IV-AM0-5G10



The Rocket snaps into the built-in Rocket mount with ease.

Model Comparison



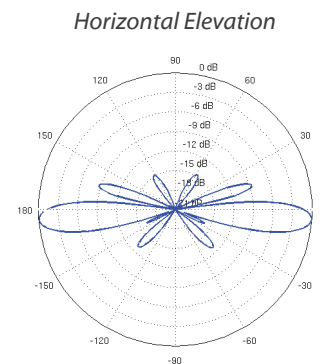
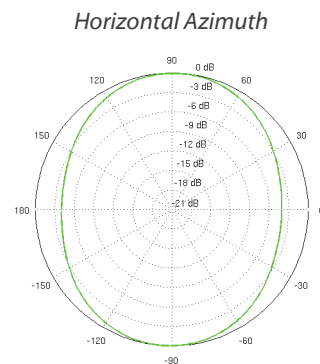
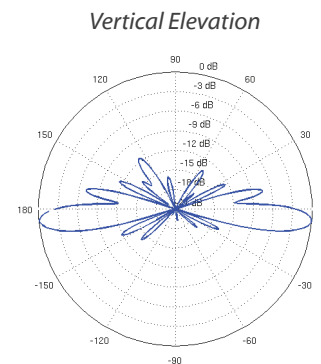
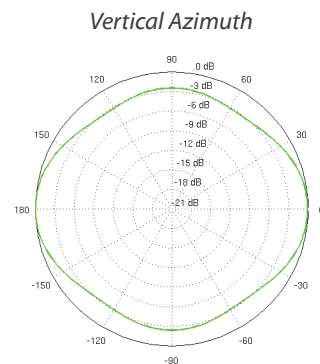
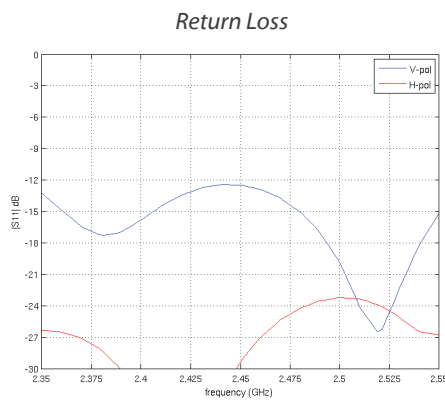
	IV-AMO-2G10	IV-AMO-2G13	IV-AMO-3G12	IV-AMO-5G10	IV-AMO-5G13
Frequency Band	2.4 GHz	2.4 GHz	3 GHz	5 GHz	5 GHz
Gain	10 dBi	13 dBi	12 dBi	10 dBi	13 dBi

Specifications

Antenna Characteristics					
Model	IV-AMO-2G10	IV-AMO-2G13	IV-AMO-3G12	IV-AMO-5G10	IV-AMO-5G13
Dimensions*	1012 x 122 x 105 mm 39.84 x 4.8 x 4.13"	1390 x 122 x 105 mm (54.72 x 4.8 x 4.13")	1030 x 122 x 84 mm (40.55 x 4.8 x 3.31")	582 x 90 x 65 mm (22.91 x 3.54 x 2.56")	799 x 90 x 65 mm (31.46 x 3.54 x 2.56")
Weight*	2.1 kg (4.24 lb)	2.4 kg (5.29 lb)	2.05 kg (4.52 lb)	0.68 kg (1.50 lb)	0.82 kg (1.81 lb)
Frequency Range	2.35 - 2.55 GHz	2.35 - 2.55 GHz	3.4 - 3.7 GHz	5.45 - 5.85 GHz	5.45 - 5.85 GHz
Gain	10 dBi	13 dBi	12 dBi	10 dBi	13 dBi
Elevation Beamwidth	12°	7°	8°	12°	7°
Max VSWR	1.7:1	1.7:1	1.6:1	1.6:1	1.5:1
Downtilt	4°	2°	4°	4°	2°
Wind Survivability	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)	200 km/h (125 mph)
Wind Loading	97.9 N @ 200 km/h (22 lbf @ 125 mph)	111.2 N @ 200 km/h (25 lbf @ 125 mph)	111.2 N @ 200 km/h (25 lbf @ 125 mph)	71.17 N @ 200 km/h (16 lbf @ 125 mph)	84.52 N @ 200 km/h (19 lbf @ 125 mph)
Polarization	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear	Dual-Linear
Cross-pol Isolation	25 dB min.	25 dB min.	25 dB min.	25 dB min.	25 dB min.
ETSI Specification	EN 302 326 DN2	EN 302 326 DN2	EN 302 326 DN2	EN 302 326 DN2	EN 302 326 DN2
Mounting	Universal Pole Mount, RocketM Bracket, and Weatherproof RF Jumpers Included				

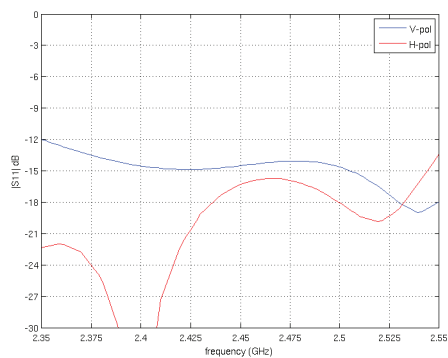
* Dimensions and weight exclude pole mount and Rocket (Rocket sold separately)

IV-AMO-2G10 Antenna Information

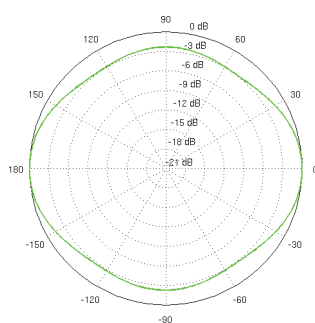


IV-AMO-2G13 Antenna Information

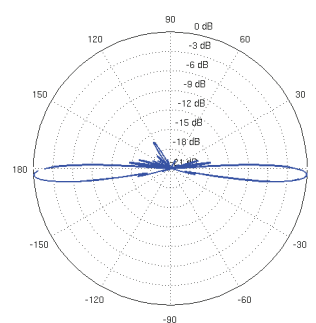
Return Loss



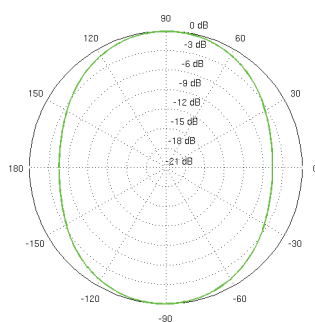
Vertical Azimuth



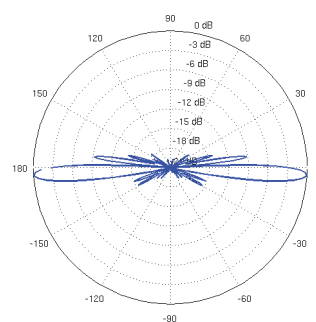
Vertical Elevation



Horizontal Azimuth

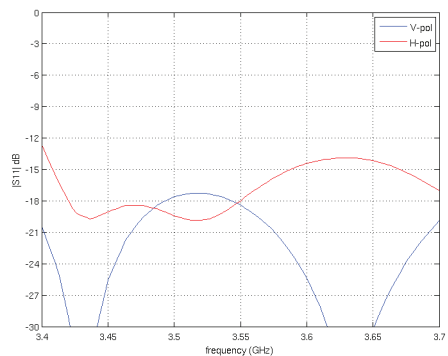


Horizontal Elevation

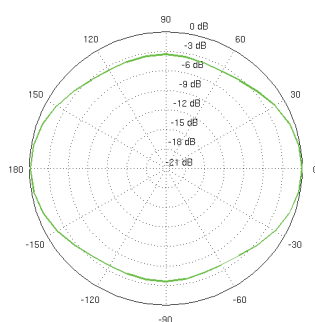


IV-AMO-3G12 Antenna Information

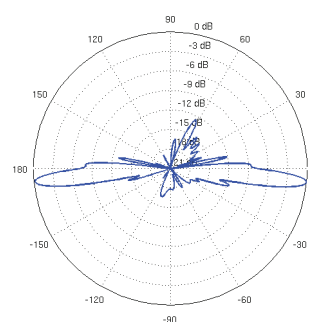
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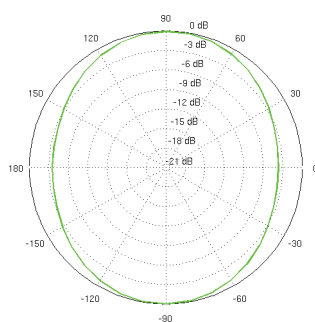
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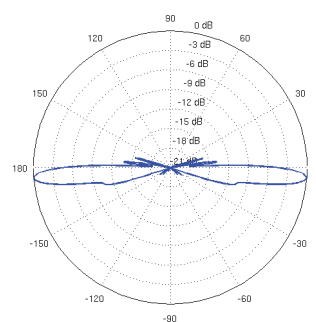
Vertical Elevation



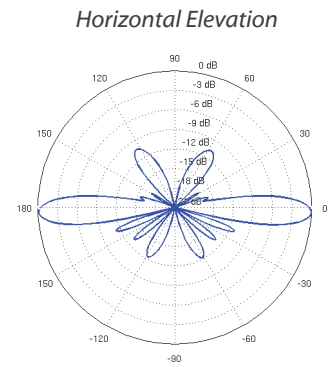
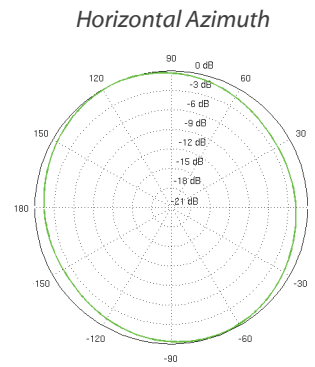
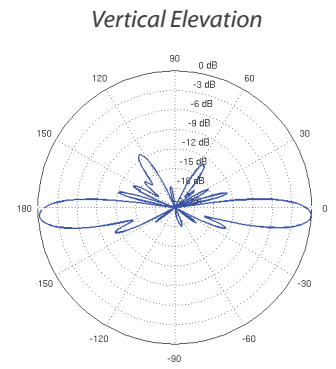
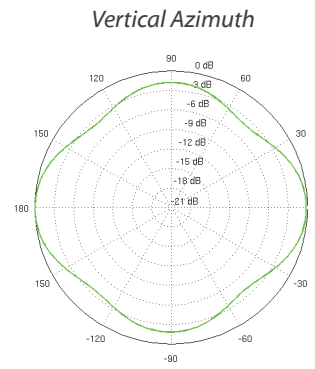
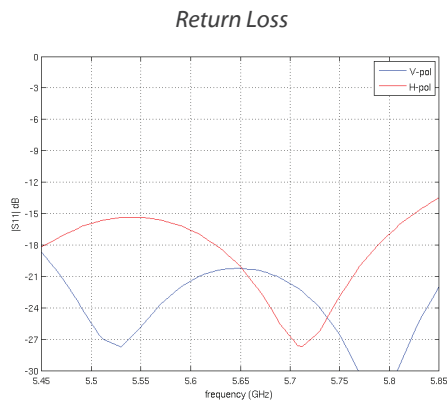
Horizontal Azimuth



Horizontal Elevation



IV-AMO-5G10 Antenna Information



IV-AMO-5G13 Antenna Information

