

# RV365D-M



8-port sector antenna, 2x 694–960 and 6x 1695–2690 MHz, 65° HPBW, RET compatible.

- Utilizes AccuRET® actuator(s) on the back of the antenna

## OBSOLETE

This product was discontinued on: **March 31, 2022**

### Replaced By:

RV365D-M-V2

8-port sector antenna, 2x 694–960 and 6x 1695–2690 MHz, 65° HPBW, RET compatible.

## General Specifications

<b>Antenna Type</b>	Sector
<b>Band</b>	Multiband
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage   Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
<b>Radome Material</b>	Fiberglass, UV resistant
<b>Radiator Material</b>	Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	6
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	8

## Remote Electrical Tilt (RET) Information

<b>Model with Factory Installed AISG 2.0 Actuator</b>	RV365D-4X2
---	------------

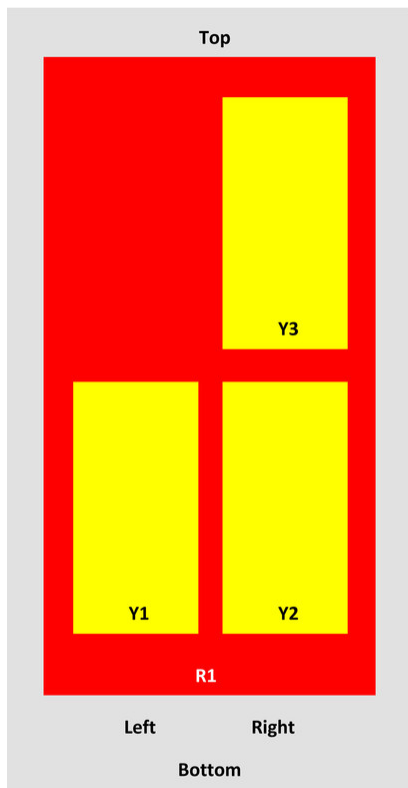
## Dimensions

# RV365D-M

<b>Width</b>	301 mm   11.85 in
<b>Depth</b>	180 mm   7.087 in
<b>Length</b>	2645 mm   104.134 in
<b>Net Weight, without mounting kit</b>	31.5 kg   69.446 lb

## Array Layout

RV365D-M, RV365D-3X2



Array	Freq (MHz)	Conns
R1	694-960	1-2
Y1	1695-2690	3-4
Y2	1695-2690	5-6
Y3	1695-2690	7-8

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1695 – 2690 MHz   694 – 960 MHz
<b>Polarization</b>	±45°
<b>Total Input Power, maximum</b>	1,000 W @ 50 °C

# RV365D-M

## Electrical Specifications

Frequency Band, MHz	694–790	790–890	890–960	1695–1920	1920–2200	2300–2500	2500–2690
Gain, dBi	16.4	16.7	16.7	17	17.8	18.1	18
Beamwidth, Horizontal, degrees	70	69	66	61	60	62	60
Beamwidth, Vertical, degrees	8.1	7.4	6.8	7.5	6.6	5.7	5.4
Beam Tilt, degrees	0–10	0–10	0–10	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	15	20	16	19	15	16	15
Front-to-Back Ratio at 180°, dB	28	34	33	30	31	34	33
Isolation, Cross Polarization, dB	28	28	28	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30	30
VSWR   Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153	-153
Input Power per Port at 50°C, maximum, watts	300	300	300	250	250	200	200

## Electrical Specifications, BASTA

Frequency Band, MHz	694–790	790–890	890–960	1695–1920	1920–2200	2300–2500	2500–2690
Gain by all Beam Tilts, average, dBi	16.2	16.6	16.5	16.5	17.4	17.7	17.7
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.3	±0.4	±0.8	±0.6	±0.5	±0.6
Gain by Beam Tilt, average, dBi	0° 16.1 5° 16.3 10° 16.2	0° 16.5 5° 16.7 10° 16.4	0° 16.6 5° 16.6 10° 16.2	2° 16.4 7° 16.6 12° 16.3	2° 17.3 7° 17.6 12° 17.2	2° 17.5 7° 17.9 12° 17.4	2° 17.4 7° 17.9 12° 17.4
Beamwidth, Horizontal Tolerance, degrees	±1.8	±1.1	±2.4	±5.4	±4.7	±5.8	±5.7
Beamwidth, Vertical Tolerance, degrees	±0.4	±0.4	±0.4	±0.6	±0.6	±0.4	±0.3
USLS, beampeak to 20° above beampeak, dB	14	15	14	11	14	13	12
Front-to-Back Total Power at 180° ± 30°, dB	23	25	23	24	25	26	25
CPR at Boresight, dB	20	22	21	15	17	18	18
CPR at Sector, dB	13	16	12	9	8	6	9

## Mechanical Specifications

Wind Loading @ Velocity, frontal

433.0 N @ 150 km/h (97.3 lbf @ 150 km/h)

# RV365D-M

---

<b>Wind Loading @ Velocity, lateral</b>	367.0 N @ 150 km/h (82.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, maximum</b>	834.0 N @ 150 km/h (187.5 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	439.0 N @ 150 km/h (98.7 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	241 km/h (150 mph)

## Packaging and Weights

<b>Width, packed</b>	409 mm   16.102 in
<b>Depth, packed</b>	309 mm   12.165 in
<b>Length, packed</b>	2894 mm   113.937 in
<b>Weight, gross</b>	51.1 kg   112.656 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

- |          |   |  |
|----------|---|--|
| BSAMNT-3 | - | Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set. |
| BSAMNT-M | - | Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.                            |

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance

# BSAMNT-3



Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 115 mm | 4.528 in

**Compatible Diameter, minimum** 60 mm | 2.362 in

**Weight, net** 6.2 kg | 13.669 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

**Weight, gross** 6.4 kg | 14.11 lb

## Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

# BSAMNT-3

---



# BSAMNT-M



Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.

## Product Classification

**Product Type** Downtilt mounting kit

## General Specifications

**Application** Outdoor

**Color** Silver

## Dimensions

**Compatible Diameter, maximum** 115 mm | 4.528 in

**Compatible Diameter, minimum** 60 mm | 2.362 in

**Weight, net** 4.5 kg | 9.921 lb

## Material Specifications

**Material Type** Galvanized steel

## Packaging and Weights

**Included** Brackets | Hardware

**Packaging quantity** 1

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

