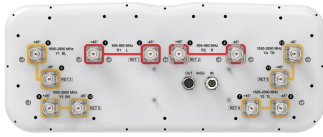


RRV4-65D-R6-V5



12-port sector antenna, 4x 694–960 and 8x 1695–2690 MHz, 65° HPBW, 6x RET

- All Internal RET actuators are connected in “Cascaded SRET” configuration
- New aerodynamic endcaps for wind load optimization

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Interface	4.3-10 Female
RF Connector Quantity, mid band	8
RF Connector Quantity, low band	4
RF Connector Quantity, total	12

Remote Electrical Tilt (RET) Information

RET Hardware	CommRET v2
RET Interface, quantity	1 female 1 male
Input Voltage	10–30 Vdc
Internal RET	Low band (2) Mid band (4)
Power Consumption, active state, maximum	8 W
Power Consumption, idle state, maximum	1 W
Protocol	3GPP/AISG 2.0

Dimensions

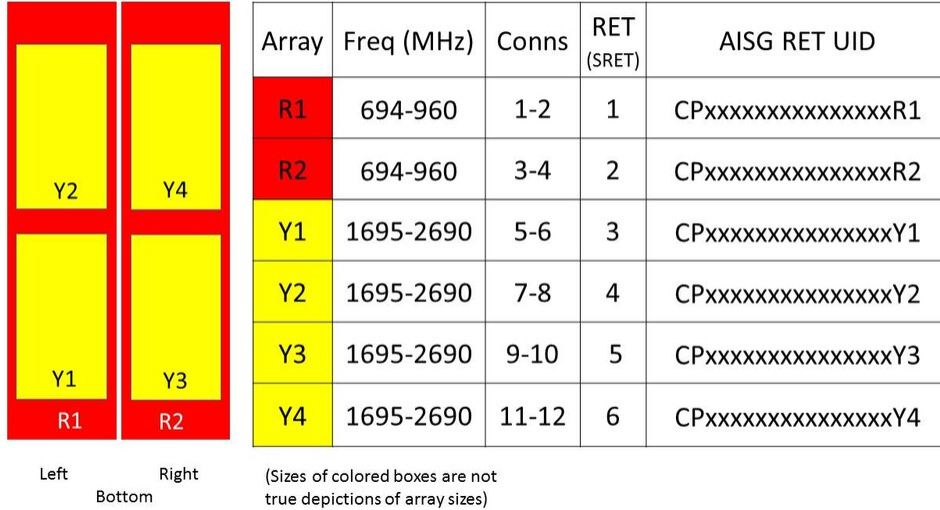
Width	498 mm 19.606 in
Depth	197 mm 7.756 in
Length	2688 mm 105.827 in

RRV4-65D-R6-V5

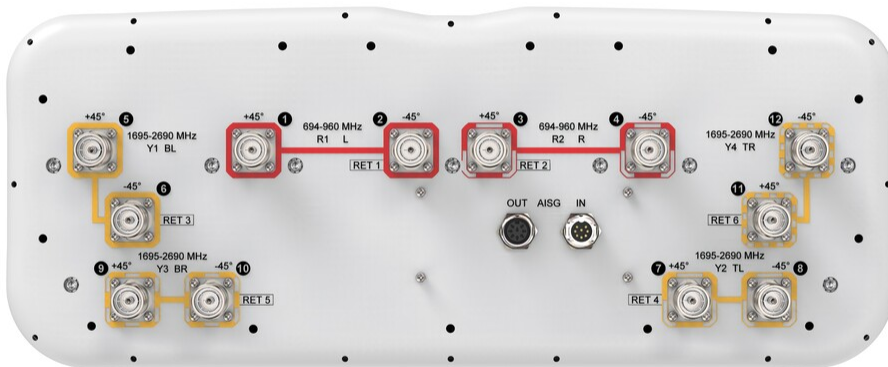
Net Weight, antenna only

42 kg | 92.594 lb

Array Layout



Port Configuration



RRV4-65D-R6-V5

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2690 MHz 694 – 960 MHz
Polarization	±45°
Total Input Power, maximum	1,400 W @ 50 °C

Electrical Specifications

Frequency Band, MHz	694–790	790–890	890–960	1695–1880	1850–1990	1920–2180	2300–2500	2500–2690
Gain, dBi	16.1	16.4	16.7	17.7	18.2	18.4	18.5	17.5
Beamwidth, Horizontal, degrees	66	61	65	62	59	58	64	73
Beamwidth, Vertical, degrees	8.2	7.4	6.9	7.2	6.7	6.4	5.6	5.3
Beam Tilt, degrees	2–12	2–12	2–12	2–12	2–12	2–12	2–12	2–12
USLS (First Lobe), dB	20	15	20	16	18	19	18	20
Front-to-Back Ratio at 180°, dB	34	32	33	39	39	39	34	32
CPR at Boresight, dB	30	27	20	20	21	22	20	18
CPR at Sector, dB	9	8	8	10	10	7	6	5
Isolation, Cross Polarization, dB	28	28	28	28	28	28	28	28
Isolation, Inter-band, dB	28	28	28	28	28	28	28	28
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	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150	-150
Input Power per Port at 50°C, maximum, watts	300	300	300	250	250	250	200	200

Electrical Specifications, BASTA

Frequency Band, MHz	694–790	790–890	890–960	1695–1880	1850–1990	1920–2180	2300–2500	2500–2690
Gain by all Beam Tilts, average, dBi	15.8	16	16.4	17.3	17.9	18.1	17.9	17.2
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.6	±0.5	±0.6	±0.4	±0.4	±0.9	±0.4
Beamwidth, Horizontal Tolerance, degrees	±2.7	±6.3	±10.9	±3.9	±2.9	±3.8	±9.9	±4.2
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.6	±0.4	±0.4	±0.2	±0.3	±0.3	±0.2
USLS, beampeak to 20° above	15	13	15	13	14	14	14	14

RRV4-65D-R6-V5

beampeak, dB

Front-to-Back Total Power at 180° ± 30°, dB	22	21	21	31	32	30	27	26
CPR at Boresight, dB	30	27	20	20	21	22	20	18
CPR at Sector, dB	9	8	8	10	10	7	6	5

Mechanical Specifications

Wind Loading @ Velocity, frontal	970.0 N @ 150 km/h (218.1 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	304.0 N @ 150 km/h (68.3 lbf @ 150 km/h)
Wind Loading @ Velocity, maximum	1,162.0 N @ 150 km/h (261.2 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	667.0 N @ 150 km/h (149.9 lbf @ 150 km/h)
Wind Speed, maximum	241 km/h (150 mph)

Packaging and Weights

Width, packed	565 mm 22.244 in
Depth, packed	309 mm 12.165 in
Length, packed	2875 mm 113.189 in
Weight, gross	59 kg 130.073 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

Included Products

BSAMNT-4	–	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.
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* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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BSAMNT-4



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 6.5 kg | 14.33 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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

