

Item no.: AS-3-17HV

AS-3-17HV - Array Sector Antenna 3 GHz, 17 dBi



from **97,22 EUR**

Item no.: AS-3-17HV
 shipping weight: 4.40 kg
 Manufacturer: RF Elements

Product Description

AS-3-17HV - Array Sector Antenna 3 GHz, 17 dBi

RF elements® 3 GHz Array Sector antennas are optimized for high performance in 3400 - 3800 MHz (LTE bands 42, 43). They offer excellent RF performance, co-location capability, easy installation, and cost-efficiency. The gain of 3 GHz Array Sector is stable in both polarizations, offering excellent and reliable performance.

The side lobes of Array Sector antennas are suppressed using BackShield™, RF elements' patented, frequency selective surface attenuating azimuth side lobes and back lobe, integrated into the antenna body. The antenna is light and made of high-quality non-corrosive materials for long-lasting performance.

Physical

- Antenna connection: 2x RP-SMA on integrated semi-flex pigtails
- Antenna type: Patch array sector
- Materials: UV resistant ABS plastic, aluminium alloy, stainless steel
- Environmental: IP55
- Temperature: -35°C to +60°C (-31°F to +140°F)
- Wind survival: 160 km/h (100 mi/h)
- Wind load: 217/65 N - front/side at 160 km/h (100 mi/h)
- Effective projected area: 1782/543 cm² - front/side (276.2/84.2 inch²)
- Electrical downtilt: 2°
- Pole mounting diameter: 40-80 mm (1.5-3.1 inch), recommend as close to 80 mm (3.1 inch) as possible
- Weight: 3.9 kg (8.5 lbs)
- Dimensions retail box: 834 x 167 x 130 mm (32.8 x 6.5 x 5.1 inch)

Performance

- Frequency range: 3.4 - 3.8 GHz
- Gain: 17.4 dBi
- Polarization: Dual linear H + V
- Azimuth beam width -3 dB: H 91°/V 83°
- Elevation beam width -3 dB: H 6°/V 6°
- Azimuth beam width -6 dB: H 118°/V 118°
- Elevation beam width -6 dB: H 9°/V 9°
- Front-to-back ratio (min.): 30 dB
- Beam efficiency: 87 %
- Cross pol isolation: H 30 dB/V 30 dB
- Impedance: 50 Ohm
- VSWR max.: 1.6
- VSWR typical: 1.3
- Isolation between ports: 30 dB

Compatible Wireless Platforms

- Ubiquiti Networks™: Rocket M3, Rocket M365

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

