

MULTI-FREQUENCY, MULTI-GNSS ANTENNA



The A42 antenna adds precision, reliability, and value to our leading Eclipse GPS technology. A42 is a multi-GNSS precision antenna and is ideal for various applications including construction survey, RTK positioning and navigation, precise guidance, and machine control. Use the A42 antenna in challenging environments (such as near buildings and foliage) for superior multipath mitigation, stable phase center, and strong SNR's even at low elevations.

GNSS Sensor

Signals Received: GPS L1/L2/L5, GLONASS L1/L2, BeiDou, SBAS, L-band DGNSS and Galileo E1/E5a and b

GNSS Frequency: 1.165 to 1.253 GHz
1.525 to 1.613 GHz

LNA Gain: 30 dBn

LNA Noise: 2.0 dB, typical

Power

Input Voltage: 3.3 to 12 VDC

Input Current: 35 mA, typical

Mechanical

Enclosure: Aluminum base with ASA plastic top

Dimensions: 7.0 H x 13.0 D (cm)

2.9 H x 5.1 D (in)

Weight: .38 kg (.84 lbs)

Mount: 5/8 inch female thread

RF Connector: TNC (straight)

Environmental

Storage

Temperature: -40° C to +85° C (-40°F to +185°F)

Operating

Temperature: -40° C to +70° C (-40°F to +158°F)

Enclosure Rating: IP69K

Shock/Vibration: EP455