

# UniStrong

## A42 and A52 Antennas



### KEY FEATURES

#### Multi-GNSS Antenna

GNSS Reception: 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 dB

LNA Noise: 2.0 dB, typical

#### Power Input

Input Voltage: 3.3-12 VDC

Input Current: 35 mA, typical

#### Mechanical

Enclosure: Aluminum base with ASA plastic cap

Dimensions: 7.0 H x 13.0 D(cm)  
2.9 H x 5.1 D(in)

Weight: 0.38 kg (0.84 lbs)

Mount: 5/8 inch female thread

RF Connector: TNC (straight)

#### Environmental

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

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

Enclosure Rating: IP69K

Shock and Vibration: EP455

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) as it has superior multipath mitigation, stable phase center, and strong SNR's even at low elevations.



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#### Multi-GNSS Antenna

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LNA Gain: 30 dB

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#### Power Input

Input Voltage: 3.3-12 VDC

Input Current: 35 mA, typical

#### Mechanical

Enclosure: Aluminum base with ASA plastic cap

Dimensions: 7.6 H x 18.5 D (cm)  
3.0 H x 7.3 D (in)

Weight: 0.78 kg (1.71 lbs)

Mount: 5/8 inch female thread

RF Connector: TNC (straight or right angle)

#### Environmental

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

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

Enclosure Rating: IP69K

Shock and Vibration: EP455

#### Phase Center Variation

Less than 3 mm at GPS L1 and L2, for elevations above 15 degrees

The A52 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 A52 antenna in challenging environments (such as near buildings and foliage) as it has superior multipath mitigation, stable phase center, and strong SNR's even at low elevations.