

China Starwin CL40 Satellite TV Receive Antenna Datasheet



Antenna Photo

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Antenna Controller

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Technical Specifications

The System Parameter

- 1) Working Frequency: Rx: 10.70~12.75 GHz
- 2) Antenna Gain: Rx: $\geq 32\text{dBi}$ @12.75 GHz
- 3) Min EIRP: 50 dBW
- 4) Antenna Type: Flat panel horn array antenna
- 5) Polarization: Linear
- 6) Rx LO.: 10.6/9.75GHz (Switching through 22K)
- 7) Tracking Accuracy $\leq 0.3^\circ$
- 8) GPS: Built In
- 9) Protection Level: IP66
- 10) Stable Mode of Base: Stability of two axes
- 11) Weight: 20Kg (Include mounting plate)
- 12) Outline Size (Preliminary design, in the process of optimization, it may be smaller).
 - Cover Height: 260 mm (Include mounting bracket)
 - Cover Diameter: 796×1098mm

Tracking Performance

- 1) Tracking Mode: Combining inertial measurement with signal tracking.
- 2) Capture Time of First Boot: <90s; Repeat Boot <30s
- 3) Recapture Time After loss: Instantaneous capture (less than 2S)
- 4) Azimuth Range: N×360°Unlimited, continuous
- 5) Elevation Range: 0~90°
- 6) Polarization Range: 0~270°(The polarization is controlled by software)
- 7) Tracking Rate:
 - Azimuth: $\geq 60^\circ/\text{s}$
 - Elevation: $\geq 60^\circ/\text{s}$
 - Roll: $\geq 60^\circ/\text{s}$
- 8) Max Angular Acceleration: Az $\geq 100^\circ/\text{s}^2$; El $\geq 100^\circ/\text{s}^2$
- 9) Max Car Body Movement: $\pm 20^\circ$

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Structural Dimensions



The outline dimension(L×W×H): 1098 × 796 × 260mm

Power Supply

- 1) Power Supply
AC: AC96~265V/50Hz
DC: DC10×26V
- 2) System Power Consumption: less than 40W (Average)

Interface

Cable Interface: F-Type Connector

working environment conditions

- 1) Working Temperature: -25°C~55°C
- 2) Relative Humidity: 0%×98%

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