

Broadcast from Anywhere While on the Move

Break the news without braking



ThinSat 300

High-Performance Satellite Antenna

With the vehicle-mounted ThinSat 300, broadcast stories as fast as they happen and access satellite broadband without braking to configure bulky equipment.

Stream video, make voice calls and take the internet with you for any kind of event — no matter the state of local networks or how remote you are.

Key Features

- Broadcast-quality streaming
- Up to 4X more efficient than other on-the-move antennas, driving operational costs down
- Tracks satellite at any vehicle speed
- Compatible with wide-beam and high-throughput Ku-band satellite services
- Mounts on standard vehicle roof racks
- No wasted time to deploy or stow
- Discreet, ultra-low profile at 4.3" high

Technical Features

Low Profile, Light Weight and Simple Installation

Lowest profile, commercially available SATCOM antenna

Worldwide Satellite Broadband Availability

Full international (Ku-band) frequency coverage
(separate service plan required)

All-latitude availability with full equatorial, high-skew and near-zenith operations

Efficient Transponder Bandwidth Utilization

Return link equivalent to 88cm x 36cm (35in x 14in) parabolic
1-2 bits/Hz return link (no spreading required)
FCC approved up to 18.4 dBW/4kHz (FCC VMES 44 C.FR 25.226)

High Data Rates

49-52 dBW EIRP with internal 40W BUC
HD backhaul capable (up to 10 Mbps)

Mobility

Maintain connectivity at highway speeds
Recover connectivity instantly after blockages

Specifications

Total Weight: 120 lbs.(55 Kg, including BUC)

Size: 59" x 39" x 4.3" (150 cm x 100 cm x 11 cm)

Polarization: Dual tracking linear

Transmit Band: 13.75 - 14.5 GHz

Receive Band: 10.70 - 12.75 GHz

G/T: 10-13 dB/K (8 dB/K at 20° Elev)

EIRP: 49-52 dBW (47 dBW at 20° Elev, 40 W BUC)

Xpol Isolation: 30-35 dB

Acquisition and Tracking

Initial Acquisition: 60 seconds (cold start)

Re-acquisition after 3 minute blockage: 1 second

Track Speed/Agility: 100°/sec, 300°/sec²

Environmental

Operational Temperature: -22°F to +140°F (-30°C to +60°C)

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

Mounting

Standard roof rack-mount compatible

Voltage / Power

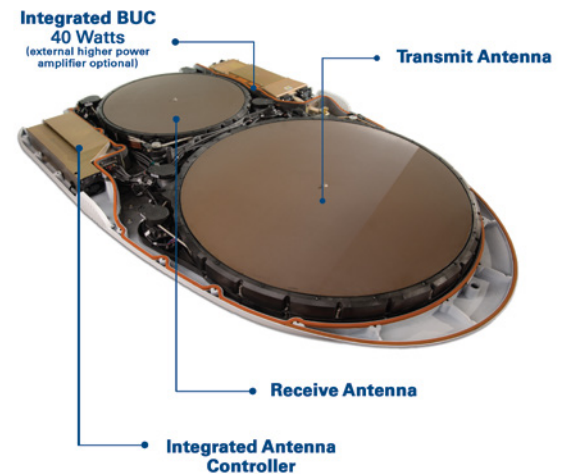
110 VAC/60Hz or 220 VAC/50 Hz

BUC

Integrated 40 Watts

External higher power amplifier (optional)

ThinSat[®]300



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