



Norsat
International Inc.

Innovative Communication Solutions

WAYFARER™ Drive-Away Antenna

Norsat's solution for reliable and easy-to-deploy mobile communications. The solid, low weight, and low height reflector mount deploys easily for fast and reliable satellite acquisition and tracking. Whether mounted on an emergency vehicular command center or a mobile broadcast van – count on Norsat's WAYFARER™ drive-away terminals for drive-away broadband-level communications capability.

Key Features

Key features include:

- 1.2m and 1.8m carbon fiber reflector
- Ku-band
- Easy, one-button auto-acquire, 4 min max. auto acquisition
- Secure, low-height vehicle room mount (38 cm stowed)
- Supports DVB-S1, DVB-S2

Typical Applications

- Ideal for mobile offices, satellite news gathering, broadcasting, governments, first responders and emergency mobile headquarters.

RF Options & Accessories

- Ku-band BUC options = 4W, 8W, 16W
- Wide selection of BUC and LNB options

The Norsat Advantage

The commercial drive-away antenna system is supported by Norsat's global customer support team which provides assistance for a wide range of technical issues. Customer support may include installation, training, trouble-shooting, and application support. 24/7/365 support is available to support mission critical applications.



Norsat
International Inc.

Headquarters
+1 604 821 2800

Toll Free
+1 800 644 4562

Online
www.norsat.com

WAYFARER DRIVE-AWAY ANTENNA

Electrical	1.2m	1.8m
Reflector Aperture	1.2m	1.8m
Polarization	Linear	Linear
Tx Frequency	13.75 - 14.50 GHz	13.75 - 14.50 GHz
Rx Frequency	10.95 - 12.75 GHz	10.95 - 12.75 GHz
Tx Gain	42.7 + 20lg(f/14.25) dBi	46.3 + 20lg(f/14.25) dBi
Rx Gain	41.6 + 20lg(f/12.5) dBi	45 + 20lg(f/12.5) dBi
Cross Polarization (Axis)	35 dB	≥35 dB
Rx Isolation	40 dB	>40 dB
Tx Isolation	85 dB	>85 dB
Side Lobe	-14 dB (first side lobe) 29 - 25logθ (1°≤θ<20°) 32 - 25logθ (20°≤θ<48°) -10 dBi (θ≥48°)	< -14 dB (first side lobe) 29 - 25logθ (1°≤θ<20°) 32 - 25logθ (20°≤θ<48°) -10 dBi (θ≥48°)

Antenna Performance	1.2m	1.8m
Tracking Area	Azimuth: ±220° Elevation: 5° ~ 90° Polarization: ±95°	±220° 0° ~ 90° ±95°
Tracking Speed	Azimuth: 0.01° /S ~ 3° /S Elevation: 0.01° /S ~ 3° /S Polarization: 1° /S	0.01° /S ~ 3° /S 0.01° /S ~ 3° /S 1° /S

Mechanical	1.2m	1.8m
Stowed Size	1667x1200x363mm (lengthxwidthxheight) Weight: 70 kg	2400 x 1800 x 450 mm (length x width x height) Weight: <140 kg (Exclude BUC)
Power Supply	DC24 10A, AC 110 - 230V 50/60Hz 5A (optional)	DC24 10A, AC 110 - 230V 50/60Hz 5A (optional)

Environmental	1.2m	1.8m
Stowed Wind Load	160 km/h	160 km/h
Operational Wind Load	72 km/h	72 km/h
Humidity	5 - 95 %	98%
Protection Grade	IP65	IP65
Temperature	-40°C ~ +55°C	-40°C ~ +60°C
Humidity	5 - 95%	98%

