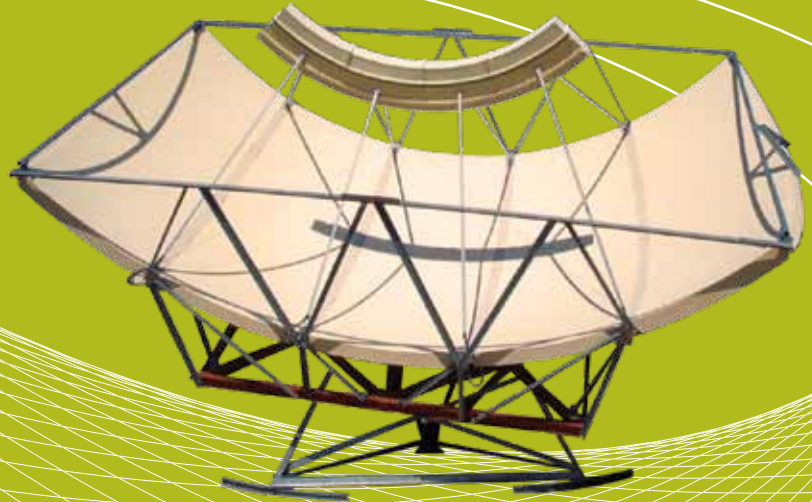




Simulsat 7



Features

- Market Leader in Multibeam Technology Since 1979
- One Antenna Performs Like 37 Parabolics
- Fixed Antenna With No Moving Parts to Service
- Commercial Quality Composite Construction
- Programming Movement: Due to Constant Satellite Programming Changes, Simulsat Users Can Add Another Feed Without Having to Purchase Another Antenna
- Receives, With Uniform Performance, Signals From All Satellites Within a 75 Degree View Arc.

Summary

The Simulsat™ 7 Multibeam Earth Station is the world's only antenna that can simultaneously receive signals from up to 37 satellites within a 75° view arc, with equal performance on each satellite. Simulsat is approximately equivalent in cost to three C-Band parabolic antennas, but performs like 37. Since an increasing number of applications require multiple satellite reception, return on initial investment is immediate.

Benefits

- Lowers Overall Costs – Return on Initial Investment is Immediate
- Requires Less Space than multiple parabolic antennas.
- Curbs Real Estate Costs – Best Alternative to Antenna Farms
- Outperforms Retrofits – Simulsat receives, with uniform performance, signals from all satellites within a 75 degree view arc.

Applications

- Broadcasters
- Cable Television
- Universities/Distance Learning
- Television and Radio
- Military/Government
- Corporations



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Specifications: Simulsat 7 Multibeam Antenna

ELECTRICAL	C-Band	Ku-Band
Frequency Gain (+/-1dB across the view arc) Beamwidth VSWR Feed Cross-Pol. Isolation	3.4 - 4.2 GHz 46 dBi 0.8 degree 1.3 35 dB	10.7 - 12.75 GHz 47 dBi 0.25 degree 1.3 35 dB
MECHANICAL		
Reflector Size Mount Arc Coverage Number of Simultaneous Feeds Reflector Construction Reflector Pieces Mount Type (Fixed)	7.0 x 12.8 meters (23' x 42.0 feet) Galvanized 75 Degrees Up to 37 Satellites Composite Fiberglass 5 Sections Low Mount	
SHIPPING INFORMATION		
Shipping Weight Max Weight (Off-Load Ship Crates)	12,448 kg (27,444 lbs) 3,063 kg (6,752 lbs)	
ENVIRONMENTAL		
Wind Loading - Operational Wind Loading - Survival Foundation Size (Area)	144.8 km/h (90 mph) 201.2 km/h (125mph) 6.1 x 9.1 meter (20 x 30 feet)	
FOUNDATION CONCRETE		
144.8 km/h (90 mph) 201.2 km/h (125 mph)	13.8m ³ 23m ³	