

SVS SATELLITE SYSTEMS

SFM-CF120 FLY AWAY ANTENNA

- 120 cm parabolic carbon fiber reflector
- Motorized movement capability at 3 axis (Azimuth , elevation and polarization)
- Auto-pointing and auto-peaking features
- 0.1 degree satellite peaking sensitivity
- Designed for Ku, Ka, DBS,C,X Band applications
- Compliant with IATA standarts
- Embedded antenna controller into the antenna mechanic
- Remote control capability via Android based devices.



SVS
satellite systems

POINTSAT REMOTE CONTROL

IP ADDRESS

192.168.1.37

CCW ↻

EL UP ↑

CW ↻

AZ CCW ←

EL DOWN ↓

AZ CW →

SPEED

AZ	EL	POL	SIGNAL
226.5	45.5	-80.3	-100.0

GO TO SAT

STOP

STOW

ERROR

INFO

LIMITS

✓ The latest antenna controller version of SVS, Pointsat allows you to control antenna via Android based devices or PC through ethernet cable.

✓ The latest design of the Ku-band satellite antenna, being compact and robust, cost-effective can be used in the fast and reliable satellite communications. It has been designed for heavy duty conditions as a reliable system .

✓ SFM-CF120 is an easy to mount antenna system and it has got antenna control system which integrated into antenna itself.

✓ SFM-CF120 can also store over 300 satellites to memory .

✓ SFM-CF120 can peak to satellite within 5 minutes included install (with trained staff).

✓ SFM-CF120 consist of 2 cases for the antenna and 1 case for the equipments like BUC, Modem or HPA, Encoder/Modulator.

✓ SFM-CF120 is developed for quality focused customer segment of the market with the very aggressive prices.



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RF SPECIFICATIONS

	Transmit	Receive
Frequency Band	13.75-14.5 GHz	10.95-12.75 GHz
Polarization	Linear Orthogonal	Linear Orthogonal
Antenna Gain	>43dBi	>42dBi
Cross Polarization	>30dB	>30dB
VSWR	1.25 : 1	1.25 : 1
Isolation	>85dB	>40dB
Feed Interface	WR75	WR75
3dB beam width	1.2°	1.32°

MECHANICAL SPECIFICATIONS

Antenna Geometry	Offset Front Feed
Antenna Reflector Effective Aperture	120 cm
Reflector Material	Carbon Fiber, Six-piece segmented "Parabolic" reflector
Elevation Range	10°-70°
Azimuth Range	±181°
Polarization Range	±95°
Sizes	Motorized Case: Hardcase 50,5x75,5x32,5 cm Reflector and Feed Case: Softcase 36x51,5x85 cm
Weight	Motorized Case : Hardcase 27.5 kg Reflector and Feed Case: Hardcase 25,5 kg

ENVIRONMENTAL SPECIFICATION

	Operational	Survival
Wind Load	40 km/h	60 km/h
Ambient Temperature	-10°C to.+ 50°C	-20°C to 60°C
Humidity	%0 - %100	%0 - %100

