

# SVS SATELLITE SYSTEMS

## SVSAT 78-KA

- Eutelsat Approval
- 78cm Offset Antenna
- Designed for Ka Band VSAT applications
- Hands-off spot selection
- Two axis motorised system (Optional 3-axis)
- Auto-Pointing and Auto-Pointing
- High Performance
- Robust
- Easy to mount
- Compliant with Eutelsat Tooway services
- Compliant with Yahsat Yahclick services



The SVSAT 78-KA is a 78cm Ka Band motorised drive-away antenna. With its superior autopointing algorithm points to satellite in a few minutes. It can be easily mounted to any vehicle or fixed platform. Advanced Antenna Controller selects the Ka spot based on GPS location without any operator action.

- Advanced Antenna Control Capabilities of AKS250
- Starts to operate with just push one button
- Adjustable mechanical switches and software limits
- Accurate resolver, GPS, compass, and clinometer sensors.



The SVSAT 78-KA motorised antenna system is a reliable choice for your mobile contribution applications for broadcasters, telecom operators, and production companies.

It also matches with the need of Oil & Gas Industry, Military Communications and Disaster recovery applications. Whenever and wherever you need instant broadband data communications and a powerful antenna system with a strong structure, The SVSAT 78-KA motorised antenna system helps you provide immediate access to satellite and makes Video&Voice over IP, file transfer, e-mail or web browsing, and high-speed access possible in Ka Band.



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### RF SPECIFICATIONS

	Transmit	Receive
Frequency Band	28.1-30.0 GHz	18.3-20.2 GHz
Polarization	Circular	-
Antenna Gain	44 dBi @29,75 GHz	40,1 dBi@ 19,95 GHz
Radio Mounting	Feed	-
Coaxial	Canare L-3CFB from transceiver to modem	
Tx-Rx Cable	2 pcs Canare L-3CFB cables (7m each)	

### MECHANICAL SPECIFICATIONS

Antenna Geometry	78 cm Circular Antenna,offset feed
Mount	Elevation over azimuth
Elevation Range	0°-60°
Azimuth Range	±175°
Weight	56 kg

Speed	Minimum	Maksimum
Elevation	0.1°/sec	1.8°/sec
Azimuth	0.1°/sec	1.5°/sec

### ENVIRONMENTAL SPECIFICATIONS

	Operational	Survival
Windload	80 km/h	160 km/h(deployed)
Ambient Temperature	-30 ° C to +55 ° C	-40 ° C to +70 ° C
Humidity	%0-%100	%0-%100

### PHYSICAL SPECIFICATIONS

Mounting Plate	L:108.5cm , W:44.5cm
Stowed Dish Dimension	L:127.5cm , W:77cm , H:50cm



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