

# SVS SATELLITE SYSTEMS

## SCH120 Ku Band Motorized Antenna

- New Universal Mechanical Design
- High RF Performance
- Supports different platforms like Viasat, Hughes, iDirect and Newtec modem (w BUC)
- Easy Integration for Amplifier of BUC (small size)
- Strong and Gapless Gear Structure
- Outdoor Antenna Controller with Remote Control
- Designed for VSAT and Broadcast Applications
- Auto Pointing with 3 Axis Movement
- Supports up to 400W Amplifier (w W/G Crossover Kit)
- Easy Installation
- Control via Tablet, Smart Phone, PC or Indoor Controller
- Standard GPS-Compass on Antenna



SCH120 Drive-Away antenna system is an easily configured, simple to operate auto-deploy VSAT terminal which can be mounted on the roof of a vehicle. It is suitable for the most demanding applications. Ideally suited for applications that require a quick, simple set-up typically for industries such as SNG, Disaster Management, Oil & Gas Exploration, Mining, Construction, Mobile Offices and Emergency Services.



### ANTENNA OPTIONS

- DE-ICING UP TO 2500 W
- HALF HOUSING
- 3 PORT FEED
- W/G CROSSOVER KIT UNTIL FEED ARM
- W/G CROSSOVER KIT UNTIL ANTENNA POD
- 7/24 REMOTE SUPPORT SERVICE
- ON SITE PREVENTATIVE MAINTENANCE SERVICE
- ON SITE COMMISSIONING SERVICE
- INDOOR CONTROLLER
- SINGLE OR REDUNDANT AMPLIFIER INTEGRATION (please check Amplifier brand and model)



Esenkent Mah. Baraj Yolu Cad. Emirgan Sok. No: 3  
34776 UMRANIYE-ISTANBUL-TURKEY  
Tel: +90 216 329 56 00 Fax: +90 216 329 02 99  
www.svstelekom.com.tr sales@svstelekom.com.tr

# SVS SATELLITE SYSTEMS

## SCH120 Ku Band Motorized Antenna

RF SPECIFICATIONS			
		Transmit	Receive
Frequency Band		13.75 – 14.5 GHz	10.70 – 12.75 GHz
Polarization		Linear Orthogonal	Linear Orthogonal
Antenna Gain(±2dB)		43.3 dBi @ 14.3 GHz	41.8 dBi @ 12.0 GHz
Antenna Noise Temperature		45°K el; 10°	
Antenna Cross Polarization		30 dB in 1 dB Contour	
Side Envelope (Tx, Co-Pol dBi)	29-25 log $\theta$ dBi -3.5 dBi 32-25 log $\theta$ dBi -10dBi	1.5° < $\theta$ < 20° 20° < $\theta$ < 26.3° 26.3° < $\theta$ < 48° 48° < $\theta$ < 180.0°	- - - -
3 dB Beamwidth		1.2 @ 14.3 GHz	1.5 @ 12.0 GHz
VSWR		<1:3:1 Max	<1:5:1 Max
Feed Interface		WR-75	WR-75
Isolation		90 dB	>40 dB
MECHANICAL SPECIFICATIONS			
Antenna Geometry		Front Feed	
Antenna Reflector Effective Aperture		120 cm	
Ports		2 (optionally 3)	
Elevation Range		5°-70° (with housing), (Up limit can be adjustable till 90°)	
Azimuth Range		±180°	
Polarization Range		±95°	
Elevation Safety Stow Degree		Adjustable	
Weight		98 kg	
Reflector Material		Fiber Glass	
Dimensions		170x123x45 cm (with pod)	
SPEED		Minimum	Maximum
Azimuth		0.22°/sec	2.2°/sec
Elevation		0.15°/sec	1.43°/sec
Polarization		0.65°/sec	9.7°/sec
ENVIRONMENTAL SPECIFICATION			
		Operational	Survival
Wind Load		70km/h	160 km/h(stowed)
Ambient Temperature		-10°C to +60°C	-30°C to +70°C
Humidity		%0 - %95	%0 - %95

