

# SVS SATELLITE SYSTEMS

## SM240-Ro FIXED MOTORIZED ANTENNA SOLUTION

SVS SM240 Receive Only Antenna system is a robust, high performance, efficient and affordable antenna system. SVS Telekom provides the best value antenna solution to the market with competitive prices, highest quality products and superb engineering support since 1995.

- 2.4m offset antenna
- Two pieces of reflector
- Optionally tracking system with the beacon receiver or DVB tuner card.
- Precision compression molded
- Offset reflector
- Three axis motorised system
- Supported by AKS250 antenna controller
- Galvanized king post pedestal
- Designed for C and Ku band feeds
- Available de-icing system



- ✓ Mechanical Limit Switches provide limitation for the 3-axis movement, status control by six limit switches.
- ✓ Integrated DVB-S/S2 Tuner Card in Antenna Controller
- ✓ Antenna Control Capabilities
- ✓ Optional additional outdoor control panel (fixed mount) the distance up to 30m between antenna and antenna controller
- ✓ Tracking of an inclined orbit satellite by using tuner card or beacon receiver

- 2.4m antenna is a high performance, powerful, and efficient motorised antenna system.
- The versatile pedestal mount allows for motorised applications and features  $\pm 150^\circ$  azimuth coverage in three continuous overlapping ranges.
- Optional The satellite tracking system
- Optional De-icing system



### Azimuth

Motor : 36 VDC  
Sensor : Potentiometer  
Resover optional

### Elevation

Motor : 36 VDC  
Sensor : Potentiometer  
Resover optional

### Polarization

Motor : 24 VDC  
Sensor : Potentiometer

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### RF SPECIFICATIONS

	C-Band	Ku-Band
Frequency Band	3.7-4.2 GHz	Rx 10.70-12.75 GHz
Polarization	Linear or Circular	
Antenna Gain	38.0 dBi	47.6 dBi@11.95 GHz
Antenna Noise Temperature(30° elevation)	36 K	31 K
Antenna Cross Polarization Isolation	35 dB on Axis	35 dB on Axis
Copolar Sidelobe Envelope	0 dB	0 dB
3 dB Beamwidth	2.1 °	0.71°@12GHz
VSWR	1:4:1 Max	1.3:1 Max
Feed Interface	CPR 229	WR-75 Flat Flange

### MECHANICAL SPECIFICATIONS

Antenna Geometry	Off-Set Feed Prime Focus
Antenna Reflector Effective Aperture	2.4 m
Ports	2 ports
Elevation Range	10°-90°
Azimuth Range	±150°(Optionally ±180°)
Polarization Range	±100°
Weight	300 kg
Reflector Material	Glass Fiber-Reinforced Polyester

### SPEED

	Minimum	Maksimum
Elevation	0.1°/sec	1,5°/sec
Azimuth	0.1°/sec	1,5°/sec
Polarization	0.5°/sec	13°/sec

### ENVIRONMENTAL SPECIFICATION

	Operational	Survival
Wind Load	100km/h	160 km/h
Ambient Temperature	-30°C to +60°C	-40°C to 70°C
Humidity	% - %100	% - %100