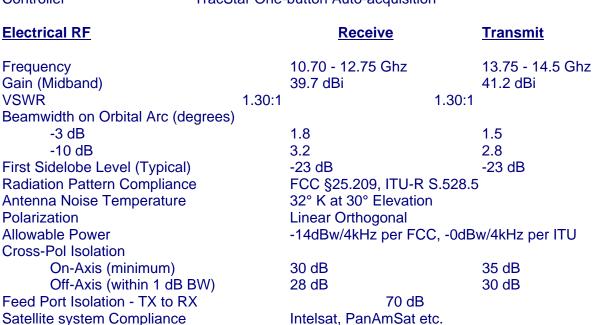
AVL TECHNOLOGIES MODEL 960K AVSAT 96 cm MOTORIZED VEHICULAR ANTENNA

Reflector 96 cm - Channel Master
Optics Offset, Prime Focus
Drive System Patented Roto-Lok®
Mount Geometry Elevation over Azimuth

Polarization Adjustment Rotation of Reflector/Feed about Boresight Controller TracStar One-button Auto-acquisition



Controller

Туре	Fully Automatic Satellite Acquisition, Peaking and Cross- Pol Adjustment using GPS, Compass, and Level Sensor Inputs with Entry of Desired Satellite, Certified for Auto- Commissioning on select services
Positioning Accuracy Size	≤±0.1 degree
Standard Optional Rack Mounted Config.	Two Cases 6 x 6 x 3.5 in (15 x 15 x 9 cm) 1 RU Chassis 8 in (20 cm) deep, Weight 3.75 lbs. (1.7 kg)
Input Power	110/240 VAC, 1 ph, 50/60 Hz, 5 amps peak, 1 amp cont.

Mechanical

Az/El Drive System
Polarization Drive System
Patented Roto-Lok® Cable Drive System
Patented Roto-Lok® Cable Drive System

Travel

Azimuth 400°

Elevation True elevation readout from calibrated inclinometer

Mechanical 0° to 90° of Reflector Boresight

Electrical Standard limits at 5° to 65° (CE Approval) or 5° to 90°

Motorized ±75° Manual H/V

Speed

Slewing/Deploying 10°/sec. Azimuth, 5°/sec. Elevation, 5°/sec. Polarization

Peaking 0.2°/second

Motors 24V DC Variable Speed

BUC Mounting

Polarization

Model 960K Up to 4 watts on Feed Model 960KLR Low Rider Up to 4 watts on Feed

RF Interface Coax

Coax Tx and Rx L-band with Type-F at Base of Antenna Electrical Interface 15 ft. (5 m) Cable with Connector for Controller

Weight 125 lbs. (45 kg) with Standard RF Electronics

Stowed Dimensions

Model 960K 68½ L x 39 W x 17 H inches (174 L x 99 W x 43 H cm)
Model 960KLR Low Rider 68½ L x 39 W x 15 H inches (174 L x 99 W x 36 H cm)

Model 960KTB Twin Boom 68½ L x 39 W x 16-17 H inches (174 L x 99 W x 36-43 H cm)

Environmental

Wind

Survival

Deployed 80 mph (129 kmph) Stowed 140 mph (225 kmph)

Operational 45 mph (72 kmph), Gusts to 60 mph (97 kmph)

Pointing Loss in Wind

20 mph (32 kmph) 0.2 dB Typical 30 Gusting to 45 mph (48 to 72 kmph) 0.5 dB Typical

Temperature

Operational $\pm 5^{\circ}$ to 125° F (-15° to 52° C) Survival $\pm 40^{\circ}$ to 125° F (-40° to 52° C)