AEC-60D Elevation over Azimuth Positioning System:

Consists of the Two-Axis Positioner AEC-60D, Control Unit (ACU-3D-24-C) and cables required for power and control of the positioner.

Positioner ideally suited for mounting on extendable mast or tripod and provides up to 400° (+/-200°) of motion in the azimuth axis and from -20° to +90° in the elevation axis. Designed for reliable operation in rugged, deployed outdoor environments.

The Control Unit can be remotely located to facilitate integration with customers system. Can be controlled Locally using Front Panel controls or Remotely via Serial Interface (RS-232, RS-422 or RS-485) or Ethernet using simple, well defined commands.

SPECIFICATIONS:

RANGE of MOTION
  Azimuth: 400° (± 200°)
  Elevation: -20° to 90°

DATA TAKEOFF ACCURACY
  Both Axis: 0.011°

POSITIONING ACCURACY
  Azimuth: 0.1°
  Elevation: 0.1°

CONTINUOUS TORQUE
  Azimuth: 125 ft lbs
  Elevation: 125 ft lbs

VELOCITY:
  Azimuth: 0.5 - 40 deg/sec
  Elevation: 0.5 - 40 deg/sec

ACCELERATION:
  Azimuth: 25 deg/sec²
  Elevation: 25 deg/sec²

POWER INPUT:
  Controller: 120VAC/60Hz or 220VAC/50Hz
  Current (depends on load): 5-10A

WEIGHT:
  Positioner: 125 lbs (57kg)
  Controller: 25 lbs. (11.5kg)

POSITIONER: Operational
  Temperature: 0° to 122°F (-18° to 50°C)
  Relative Humidity: 0 to 100%