

Pedestal Performance Characteristics

The following are the basic parameters required to configure an E-O tracking system.

- 1) Application Description
- 2) Total Payload Weight including payload mounting structure
- 3) Size and weight of various sensors
- 4) Type of Pedestal required (Post or Yoke)
- 5) Encoder Resolution
- 6) Pointing Accuracies
- 7) Gyro Stabilization (2 axis, 3 axis)
- 8) Input Power
- 9) Operating Environment
 - a. Temperature Extremes (Operational/Storage)
 - b. Max Wind Speed (Operational/Storage)
 - c. Rain (inches/hr), Snow
 - d. Sand/Dust/Salt Spray/Humidity
- 10) Distance between Pedestal and Control Electronics
- 11) Azimuth and Elevation angular travel
- 12) Restrictions on the Pedestal size and weight
- 13) Portability (Man-portable, trailer, aircraft, etc.)
- 14) Maximum required velocity and acceleration
- 15) Size of Target (min/max)
- 16) Target Range (min/max)
- 17) Flight path relative to tracking site
- 18) Operator Station/Interface requirements