An integrated tracking system, including pedestal, tracker, dual IR stimulator and payload structure for EW evaluation and training.

PAYLOADS:
- 35x Zoom Optical System
- Dual IR Stimulator Systems
- Laser Rangefinder
- Jam Beam Radiometer
- Portable

SYSTEM CONFIGURATION:
- Remote Operator's Station
- Dell Server
- Series 6000 Video Tracker
- Data Storage
- Remote Designate

PEDESTAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>AZIMUTH</th>
<th>ELEVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTOR SIZE (with integral tach)</td>
<td>100 watts (continuous)</td>
<td>100 watts (continuous)</td>
</tr>
<tr>
<td></td>
<td>200 watts (peak)</td>
<td>200 watts (peak)</td>
</tr>
<tr>
<td>GEAR RATIO</td>
<td>445:1</td>
<td>445:1</td>
</tr>
<tr>
<td>CONTINUOUS DRIVE TORQUE</td>
<td>90 ft-lb</td>
<td>90 ft-lb</td>
</tr>
<tr>
<td>PEAK DRIVE TORQUE (1.5 sec)</td>
<td>180 ft-lb</td>
<td>180 ft-lb</td>
</tr>
</tbody>
</table>
### RATED GEAR STRENGTH
- 500 ft-lb
- 500 ft-lb

### ANGULAR TRAVEL (Electrical)
- > ±190°
- -10° to +85°

### ANGULAR TRAVEL (Mechanical)
- ±240°
- -20° to +95°

### STOW POSITION
- 0°
- -5°

### MAXIMUM VELOCITY
- 30°/sec
- 30°/sec

### MAXIMUM ACCELERATION
- 30°/sec²
- 30°/sec²

### COMPLIANCE
- 6 x 10⁻⁶ rad/ft-lb
- 6 x 10⁻⁶ rad/ft-lb

### DATA PACKAGE (absolute M/T encoder)
- 15 Bit Resolution (13 Bit Driven 4x)
- 15 Bit Resolution (13 Bit Driven 4x)

### LIMIT SWITCH
- CW, CCW, INTLK
- UP, DOWN, INTLK

### BACKLASH
- < 0.03°
- < 0.03°

### WEIGHT
- < 275 lbs
- 0 lbs (Counterweights)
- < 525 lbs (Payload)

### TEMPERATURE
- -20°C to +55°C Operational
- -30°C to +60°C Non-operational

### SERVO CONTROLLER CHARACTERISTICS:

#### LOCAL DISPLAYS
- Power ON/Interlock Indicator

#### REMOTE CONTROLS
- Ethernet, UDP/IP

  Controls
  - Position Mode, Velocity Mode, Analog Velocity Mode, Standby Mode, Servo On/Off, Position Offset, Max Position Velocity, Max Acceleration.

  Feedback

#### INPUT DATA FORMATS
- Ethernet and Serial Digital Interface

#### DATA OUTPUT FORMATS
- Ethernet and Serial Digital Interface

#### SERVO DRIVE OUTPUT
- 340 Volts DC

#### INPUT POWER
- 240 VAC, 50/60 Hz, 20 Amps

#### SIZE
- 19-in W x 10.5-in H RETMA Chassis

#### WEIGHT
- 60 lbs (est)