

Single Axis Pedestal

Model: JC-SC-PED31



Land



Air



Marine

Jisnu's ultra-Low-Weight Single Axis Auto Tracking Pedestal is built for continuous rotation in Az for a payload of up to 6 Kg. The system rotates at a velocity of 15 deg/sec with acceleration of 15 deg/sec. The state-of-the-art digital control system is built inside the pedestal with all the requisite algorithms suitable for full auto track application. The system is easily operable through a laptop with high-end user interface.

This man portable auto track system is maintenance free, compact and easy to install and operate in remote area with battery pack.

Features

- Single Axis Az Continuous rotation
- Low Weight and Compact
- Built-in Controller and Tracking Demodulator
- Single Channel Mono-pulse Auto Tracking
- Built-in Tracking Receiver (Optional)
- MIL-STD 461E & JSS-55555 Compliant
- Maintenance Free And Easy To Install
- User Friendly GUI



Technical Specifications

Functional	
Motion	Single Axis - Continuous Az
Azimuth Rotation	360° Continuous
Elevation Rotation	Manual Elevation tilt Adjustment of 0° to 25° in Steps of 5°
Position Sensor	Absolute Encoder
Pointing Accuracy	±1°
Position Resolution	±0.5°
Velocity	15 deg/sec
Acceleration	15 deg/sec
Backlash	0.5°
Payload	≤ 6Kg's
Motor	Servo Motor
Rotary Joint	2 channels
Slip Ring	24 channels
Digital Compass	For true north alignment
Track Acquisition	Mono pulse patch antenna
ACU Modes	Standby, Slew, Position, Point, Slave Position, Slave GPS, Auto Track, Search, Configurable
Analog Input	Error & AGC
Pedestal Interface	Ethernet/RS 422
Electrical	
Power Input	28 V DC 3A max
Mechanical	
Pedestal Weight	≤ 10 Kg
Environmental	
Temperature	
Operating	-20° C to +55° C
Storage	-30° C to +70° C
Wind	
Operating	80 Kmph
Storage	120 kmph
Humidity	90% RH Non-Condensing
Environmental Compliance	JSS-55555
EMI/EMC Compliance	MIL-STD-461E

