Two Axis Precision Pointing System

Description

The precision pointing system is a Electro mechanical stabilized platform with two degrees of freedom (i.e elevation and azimuth). The Positional accuracy of the system is 2 mrad & jitter stabilization is up to 50 micro radians. This unit can carry many types of payloads like CCD Camera, TI, LRF etc. Delopt VT can also be integrated.

Controller station and the payloads can be supplied along with Operator’s Control Panel. This system can also be used for pointing systems such as antenna, telescope etc.

Delopt can supply customized Gimbal.

Specifications

- Degree of freedom: Elevation (+ 20° & -15°) & Azimuth (± 120°)
- Positional accuracy: 2 mrad
- Stabilization: 50 urad
- Angular Velocity (Manual): 0.5 rad/sec
- Modes of Operation: Manual/Auto Scan/Auto Track
- Position sensing: RVDT / Inductosync
- Control loop electronics: Digital-DSP based
- Pay load: up to 100Kg (Any Type)
- Control Panel: Software based or Hardware based.

Applications

- Antenna Positioning
- Telescope Positioning
- Target Acquisition & Tracking system
- Pointing system
- Custom Gimbal system
- Surveillance systems