

# MCS-50

## Pan and Tilt Pedestal Rugged Pan & Tilt Pedestal

- Designed for orientating long range detection and tracking sensors
- Specially suitable for accurate positioning
- Open architecture - modular configuration



Accurate positioning is a key element in any ground and mobile based surveillance systems.

MCS-50 is a rugged electric servo controlled pan and tilt pedestal, capable of orientating observation sensors in azimuth and elevation with high accuracy.

MCS-50, utilizing a unique design, is configured with the elevation axis located above the azimuth axis. Each axis consists of electrical motor, gear, electrical brakes, optical encoder and tachometer. The drive unit and bearings system ensures smooth motion, at low velocities, with no backlash.

The pedestal includes four limit switches, which define the scanning boundaries in azimuth and elevation and ensure stopping the system's motion within allowed limits.

The electronics assembly, which drives and controls the pedestal, is integrated within the body of the pedestal.



## Security Like Never Before - Elbit Security Systems

Note: Parameters may be altered to comply with customer specifications. Elbit Security Systems Ltd. reserves the right to make such alterations in design, dimensions specifications and manufacture as are deemed necessary to ensure continued improvement.



SECURITY SYSTEMS Ltd.

# MCS-50

## Pan and Tilt Pedestal Rugged Pan & Tilt Pedestal

### ***Main Features***

- High accuracy - ensures accurate target location at long distances
- Smooth tracking, in super narrow FOV at very low speed
- No backlash - excellent retention
- Very rigid design - proven to withstand extreme environmental conditions - MIL-STD 810 compatible
- Metal parts are produced from Aluminium type 60/61
- Specially configured for easy mounting/dismounting sensors using heavy duty dovetail mount on each side and general-purpose mount on top
- Servo variable speed control combined with extremely accurate position readout
- Emergency brakes ensure no motion when power is off
- Computerized control via RS422 serial link

For more information [click here](#)



SECURITY SYSTEMS Ltd.

Advanced Technology Park, Kiryat Weizmann P.O.B 1165 Rehovot 76111, ISRAEL  
Tel: 972-8-9307206, Fax: 972-8-9386826, Web site: <http://www.elsecltd.com>