

MSP25

PAN&TILT

PRECISION AND RELIABILITY
IN ANY ENVIRONMENT

The **MSP25 platform** offers scalable and configurable solutions for precise payload positioning, ensuring optimal performance in the most demanding conditions.



KEY FEATURES

- RoHS compliant construction
- Advanced software controls
- Integrated diagnostics:
Built-in-Test (BITE)
- MIL-DTL-38999 Connectors
- Environmental qualification
MIL-STD-810G
- Network integration:
100BaseTX for seamless IP
network connectivity
- High definition video transmission:
HD-SDI

SENSOR INTEGRATION

- Multispectral cameras
(Visible/NIR/SWIR)
- Thermal imaging (LWIR/MWIR)
- IR and visible illuminators
for enhanced visibility

MECHANICAL PARAMETERS

- Azimuth rotation:
Continuous 360°
- Elevation rotation:
±90°
- Maximum payload:
25Kg*
- Speed control mode:
Integration with customer joystick
- Position Control Mode:
Integration with external
designation systems

KINEMATIC PERFORMANCE

- High speed operation:
1,5 rad/s azimuth & elevation
- Ultra-slow movement:
Min speed of 0,3 mrad/s
- Both Axes Acceleration:
3 rad/s²
- Stabilization:
2 axis. 300µRad
- Precision:
21 bits position increment
- Zero backlash transmission

ELECTRICAL PARAMETERS

- Standard 28VDC power supply,
compliant with MIL-STD-1275E
- Extended military configuration:
Continuous 28VDC and 280W power
supply for high-demand applications

ENVIRONMENTAL PARAMETERS

- Operating Temperature Range:
-25°C to +60°C
- Humidity:
MIL-STD-810G
- Vibration:
MIL-STD-810G
- Operational Shock:
MIL-STD-810G
- IP protection:
IP65
- EMI/EMC compliant:
MIL-STD-461E, CE102, CS101,
CS114, CS115, CS116 & RE102

*system scalable to accommodate
customer-defined payloads.