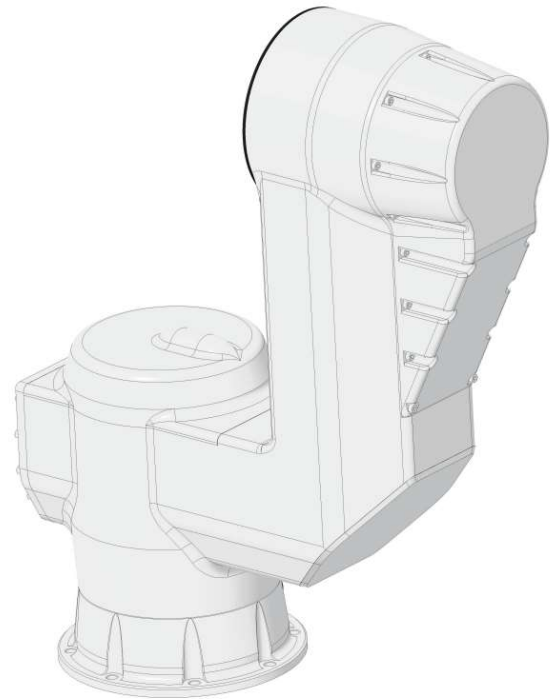




MIL-STD Pan&Tilt  
MSP25

The MSP25 platform is a scalable and configurable system offering precise payload positioning.



Its design and structure offers great adaptability to different payloads and easy installation on masts, vehicles.

A high aiming accuracy and repeatability allow its use in artillery and advanced observation systems with targets located at long distances.

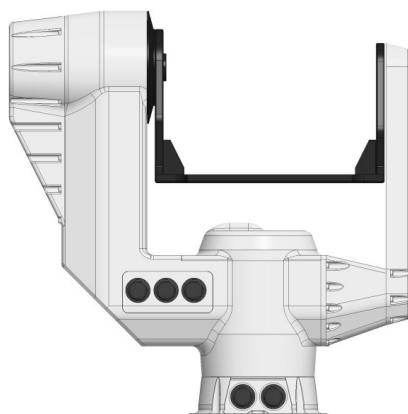
It can be integrated into light vehicles that require adaptation and positioning of their situational awareness systems, as well as for use in operational ground surveillance environments.

The platform enables continuous 360°x N rotation with high definition dual optronic block with HD-SDI interface.

The MSP25 platform integrates tailored mechanical interfaces that adapts payload center of gravity offering maximum positioning performance in any application.

In its most advanced configuration, the system enables the stabilization of the payload on its two axes, enabling high-performance land vehicles integration.

*Removable arm adapted to larger, high volume payloads*



Key Features

RoHS construction

Software movement limits programming

Built-In-Test (BITE)

Safe-Torque-O (STO)

MIL-DTL-38999 Connectors

Environmental qualification MIL-STD-810G

Control and monitoring: 100BaseTX allowing integration into IP networks

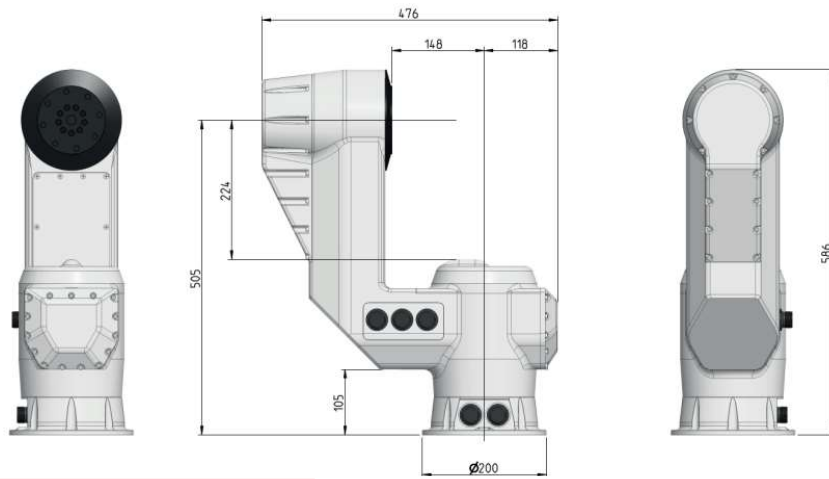
Transmission of HD-SDI video signals

Sensor Integration

Multispectral cameras (Visible/NIR/SWIR)

Thermal Imaging (LWIR/MWIR)

IR, visible illuminators



### Mechanical Parameters

Azimuth Rotation	Continuous 360°x N
Elevation Rotation	± 90°
Maximum Payload	25Kg (Guaranteed Specs Movement)

### Operating Modes

Speed Control Mode	Integration and control from customer joystick
Position Control Mode	External designation systems integration

### Kinematic Performance

Max. speed azimuth & elevation	1,5 rad/s
Min. speed azimuth & elevation	0,3 mrad/s
Both Axes Acceleration	3 rad/s <sup>2</sup>
Position Increment	24 µRad
Transmission type	Cycloidal zero backlash

### Electrical Parameters

Standard Configuration	28VDC power supply according to MIL-STD-1275E
Extended Military Configuration	Continuous Power supply for payload 28VDC and 280W according to MIL-STD-1275E standard

### Environmental Parameters

Operating Temperature Range	-20°C a +60°C
Humidity	MIL-STD-810G method 507.5 procedure I
Vibration	MIL-STD-810G fig. 514.6D-8 cat. 20 for wheeled vehicles
Operational Shock	MIL-STD-810G method 516.6 procedure I
Transmission type	Cycloidal zero backlash
IP protection	IP65
EMI/EMC	MIL-STD-461E, CE102, CS101, CS114, CS115, CS116 y RE102

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MSP25