

VEGA 5

GENERAL DESCRIPTION

VEGA 5 Pan-Tilt Positioners can be carried by a single operator and ready to use in under 5 minutes. Thanks to light structure design and on battery operation, it can work in difficult field conditions.

VEGA 5 is designed to support RS-232/422/485 and Ethernet protocols. It can also be directly controlled by Magnetron Antenna Control Unit (ACU), Mobile Ground Station or tablet without a computer.



KEY SPECIFICATIONS

- Easy to Use Compact System
- Up to 5 Kg Payload Capacity
- Battery Operation

VEGA 5

MAGNETRON



TECHNICAL DATA

Mechanical

Pan Speed	0.0008 RPM to 20 RPM (0.005°/s - 120°/s)
Tilt Speed	0.0008 RPM to 15 RPM (0.005°/s - 90°/s)
Azimuth Angle	270°
Elevation Angle	±90° (180°)
Payload Capacity	5Kg
Resolution	0.005°
Position Repeatability	0.1°
Backlash	0.6°
Rotational Limits	Fixed and Programmatically Adjustable
Motor Type	Hybrid Servo Motor
Material	Aluminum
Dimension (mm)	169x146x120
Weight (Kg)	3Kg

Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F

Electrical

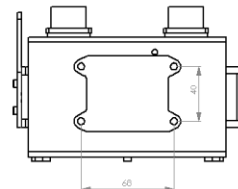
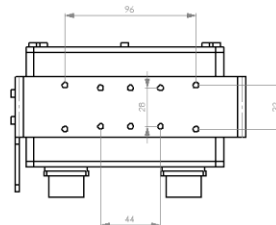
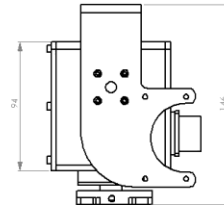
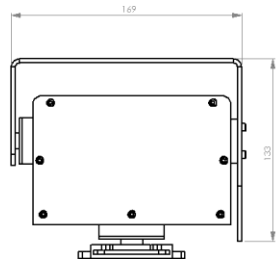
Operating Voltage	6-24 VDC
Current Consumption	Max. 2.2A @ 7.4VDC
Position Feedback	Optical Encoder
Control Interface	Ethernet, RS-232/422/485
Control Protocol	Magnetron ACU, Pelco-D
Connectors	MIL-DTL-38999
Sensors	Pressure, Temperature, Humidity, RTC, Gyroscope
GNSS Receiver	L1/L2 Bant, 2.5m (GPS&GLONASS), 0.05 m/s, 0.3°
MTBF	45.000 hour

Operating Conditions

Temperature	-22°C to +55°C
Humidity	%95 R.H.
Altitude	5000ft
IP Rating	IP66

Storage Conditions

Temperature	-40°C to +70°C
Humidity	%95 R.H.
Altitude	5000ft



All units in mm