

DOUBLE-AXIS SCANNING PLATFORM

Areas of Application

The double-axis scanning platform is designed for mounting antennas, radars, and other equipment, which require controlling the transmitting/receiving direction of RF signals

Specification

Max. weight of installed equipment, kg	100
Nominal angular momentum along the azimuth and elevation axes, Nm	100
Max. scanning rate, °/s	90
Max. elevation acceleration, °/s ²	200
Max. backlash in azimuth and elevation:	≤0.1°
Azimuth scanning range	N × 360°
Elevation scanning range	-10°...+90°



Advantages

The platform enables continuous circular azimuth scanning; the elevation scanning range is from -10° up to +90°; the platform is operable in severe climatic conditions; compliance with MIL-STD-810G can be provided optionally; embedded controller enables remote user control via various interfaces and is integrable with the equipment installed using standard physical layer interfaces; control data rate reaches 1Gb/s

Stage of Development.
Suggestions for Commercialization

IRL8, TRL7
Manufacture, delivery, warranty service,
and staff training, upon request

IPR Protection

IPR1

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