



Applied Science & Technology

FEATURES

- Direct drive technology provides maintenance-free operation with zero backlash
- High resolution and precision, allow for long-range pointing accuracy and stability
- Precise and smooth operation at all speeds
- Low cost of ownership
- Supports multi-sensor payloads up to 50 pounds (22.7 kg)
- Direct drive brushless motors
- 18 bit high precision encoder
- 360° continuous pan angle
- Smooth low speed motion to less than 0.01°/sec
- Integrated lifting rings

ISR X30/X50 Positioning Units

The ISR (Intelligence, Surveillance, and Reconnaissance) X30/X50 positioners, designed and manufactured by Senspex, are engineered to support high-demand payloads. ISR positioners deliver the precision, stability, and positional accuracy essential for a multitude of mission-critical applications.



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Specifications

<u>Operating Voltage</u>	16 – 32 VDC
<u>Operating Temperature</u>	-30°C to +70°C (-30°F to +158°F)
<u>Pan Speed</u>	0.01 to 300°/sec
<u>Tilt Speed</u>	0.01 to 300°/sec
<u>Tilt Angle</u>	±90°
<u>Position Resolution</u>	18 bit; 0.0014°
<u>Position Repeatability</u>	±0.01°
<u>Position Accuracy</u>	±0.1°
<u>Max. Payload</u>	50 lbs (22.7 kg)
<u>Continuous Torque</u>	1000 oz-in
<u>Weight</u>	~ 40 lbs
<u>Environmentally Sealed</u>	IP67
<u>Slip Ring Circuit</u>	14
<u>Control Protocol</u>	Ethernet TCP/IP; Serial RS422/485

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.
Export is subject to US Government regulations.