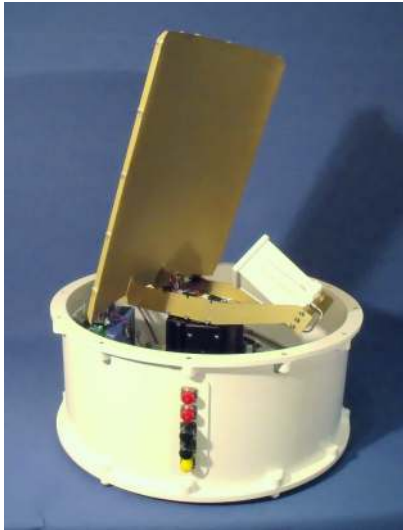


ELINT Systems



1 - 18 GHz ELINT (without radome)



1 - 18 GHz ELINT (with radome)

- Rugged, dependable, proven design
- Standard systems, 0.5 - 18, 1 - 18 and 2 - 18 GHz
- Customised requirements also welcomed
- High angular resolution of better than 0.1°
- Fully weather proofed design

Our ELINT system features a high rotation speed (up to 200 rpm) computer controlled system for broadband surveillance. The system is capable of complex scan control such as rotational, sector scan and stop & stare.

We have designed and built numerous ELINT antenna positioning systems with a wide variety of antennas to suit differing customer requirements. Many reflector antenna & feed combinations are available to cover your frequency bands of interest with your gain and beamwidth requirements.

The ELINT system is housed within an environmentally sealed radome for outdoor use. It can also be cooled or heated depending on the environmental conditions of operation.

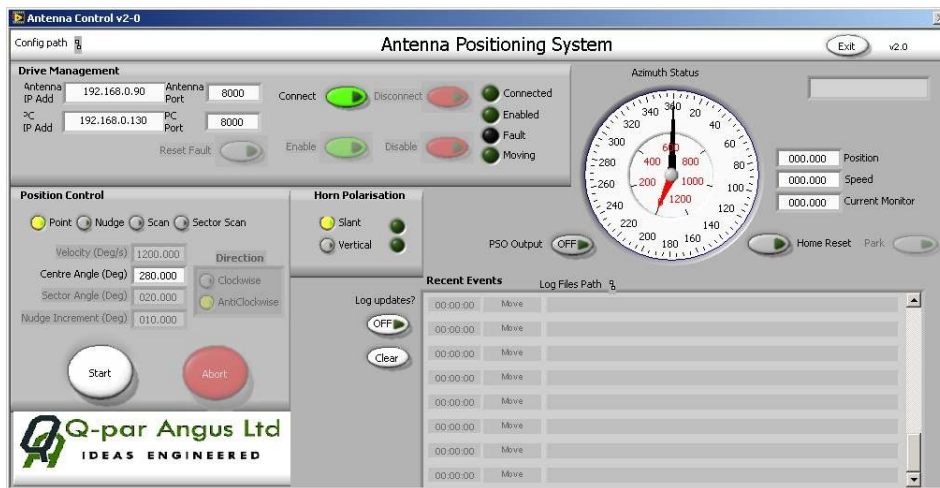
These are just a selection of previous systems we have designed and manufactured; we are happy to provide an ELINT system fully tailored to your specification.

Please contact us with your specific requirements.

Typical Specification

Frequency	0.5 - 18 GHz	1 - 18 GHz	2 - 18 GHz
Gain	6 - 20 dBi	10 - 23 dBi	13 - 24 dBi
Antenna Type	Reflector & Horn	Cylindrical Paraboloid	Cylindrical Paraboloid
Polarisation	Slant Linear 45°	Slant Linear 45°	Slant Linear 45°
Azimuth Beamwidth	90° - 3°	33° - 3°	30° - 4°
Elevation Beamwidth	66° - 20°	42° - 20°	35° - 20°
VSWR	< 2 : 1 typical	< 2 : 1 typical	< 2.5 : 1 typical
Angular Resolution	< 0.1°	< 0.1°	< 0.1°
Rotational Velocity	200 rpm max.	200 rpm max.	200 rpm max.
Construction	Base: Cast Aluminium Alloy Radome: Foam Cored GRP	Base: Cast Aluminium Alloy Radome: Foam Cored GRP	Base: Cast Aluminium Alloy Radome: Foam Cored GRP
Weight	90 kg	56 kg	56 kg
Height	1450 mm	905 mm	800 mm
Diameter	910 mm	605 mm	605 mm

Controller & User Interface



Our standard GUI for Q-par Angus ELINT Systems. Customisations are also available

Our ELINT System utilises a proprietary servo drive for absolute position control. Control is typically implemented using a dedicated PC or laptop via an Ethernet or USB connection (we are happy to implement other control interfaces if required). Graphical user interfaces using Labview can be supplied to run on Windows or Linux operating systems.

Designed and Manufactured in England to the Highest Standards

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