



D2

High Performance Motorised Pan & Tilt

Key Features

- High speed, high accuracy, pan and tilt suitable for a wide range of larger payload configurations
- Gyro stabilisation*
- Maritime environmental protection*
- Azimuth slipring as standard supporting payload power, fast and Gigabit Ethernet, serial comms and analogue or HD-SDI video
- Ethernet or RS422 communications
- High precision Control
- High accuracy, high axis speed (100°/s)
- Rugged design
- Highly resistant to shock and vibration
- Environmentally sealed (IP67)

*Factory option

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The D2 family of high performance motorised pan and tilts offers exceptional speed and accuracy.

The D2 can be configured to handle a wide range of sensors and sensor suites for long range precision surveillance tasks. Typical payloads include high performance narrow field of view thermal imagers and day/night cameras as well as multi-sensor systems and suites.

The D2 is capable of very high axis speeds of up to 100° per second and is ideally suited for homeland security in permanent installations and vehicle applications where a high degree of controllability and positional accuracy is required.

Using an adapter, the D2, may also be used for tripod mounted applications.

The gyro stabilised version of the D2 delivers precise, stable line of sight control on moving platforms such as heavy wheeled vehicles, maritime surveillance systems or fixed systems mounted on tall masts.

The D2 supports the latest digital video and communications via 1000Base-T Gigabit Ethernet making it particularly suitable for extended border control and surveillance consisting of multiple installations controlled over IP.

D2

High Performance Motorised Pan & tilt

±90° Tilt

Top Mount/Side-by-Side
Configurable

Highly Resistant to Shock

Payload Interface

360° Continuous Pan

Ethernet or RS422

Data & Video Interface

NOTE 1

The stabilised D2 is capable of providing the following levels of stabilisation performance: Elevation (Tilt) attenuation: 20dB at 7Hz / 52dB at 0.3Hz; Azimuth (Pan) attenuation: 28dB at 1Hz / 50dB at 0.3Hz

Outline Specification

Weight*	From 15kg (33.1lbs)
Dimensions	341 x 320 x 207mm
Torque	28Nm
Payload Capacity*	Up to 60kg
Elevation Range*	±90°
Azimuth Range	360° (continuous)
Max Velocity	100°/s
Accuracy	0.028° 1σ
Operating Voltage	20- 32 Vdc
Communications	Ethernet or RS422
Water Submersion	IP-67
Operating Temp	-32°C to 71°C

*Application & configuration dependent

Applications

- Camera line of sight control for fixed, marine and border surveillance
- Fast patrol boats
- Vehicle applications on the move
- Coastal surveillance
- Port authorities and shipping control
- Customs and coastguard vessels
- Security and perimeter surveillance
- Maritime surveillance systems
- Fixed mast mounted applications

Options

- Maritime environmental protection
- Gyro stabilisation and servo tuning for ultimate system performance
- Customer tailored remote control consoles and system cabling
- Customer specific mounting adaptors
- Customer specific paint colour



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