

Gyro 236

Remote Stabilised Camera System



- 5 Axis actively Stabilised
- High Definition Camera
- Radio Controllable
- Lightweight
- Alternative Camera Options
- Cost Effective

The **Gyro 236** system is a further development of our Gyro235 stabilised camera gimbal which is extremely lightweight and can be used on full size aircraft, UAVs, aerostats, boats, vehicles etc. The ball contains all the gyros and sensors, camera and lens controls for straightforward and simple operation. It can be rigged in a matter of minutes to many platforms.

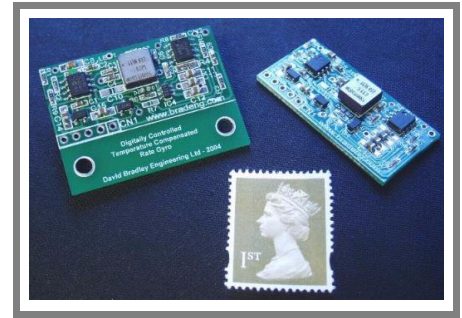
Applications

Cable Cameras
Tracking Vehicle Cameras
Boat Cameras
Helicopters
Fixed Wing Aircraft
UAVs
Masts
Tethered and Free Aerostats



Gyro Technology

David Bradley Engineering Ltd and Gyro Camera Research Ltd have been developing the gyro technology for several years. The result is a patented system which minimises the setup time required to achieve excellent results. All 5 axes are actively stabilised - pitch, yaw and roll with an additional inner gimbal for removing vibrations.



Cameras

As standard the **Gyro350** is supplied fitted with our **BE_HD10 Mini HD** camera with its integral 10:1 lens. This can be remotely switched between many SD or HD formats. (See data sheet)

It can also be fitted with the **Sony HVR-A1** and other cameras by arrangement, provided the internal space allows.

Control

The control panel is our standard Gyro Controller and can be connected either via radio data transmitter(s) or via a single cable connection. All functions are controlled from this, including engineering setups, gyros, motors and camera controls.

All primary controls are accessed directly with knobs and buttons. Secondary adjustments are via a menu. All adjustments are factory set and minimal input is required on location.



Camera & Lens Control

Camera CCU protocols are pre-programmed into the **Gyro350** enabling standard engineering control over the data link. An additional camera RCP is supplied with the system which can be remotely connected into the system via a standard XLR3 audio cable.

Remote Helicopters

Through our associate company we can provide a turnkey solution including the custom built remote helicopter.



Dimensions

Ball:

Height	302mm
Diameter	230mm
Weight	5.2kg (inc. camera)

Controller:

Width	375mm
Depth	250mm
Height	90mm (excl.joystick)
Weight	3.5kg

Power & Connection

12 - 24v @ 2.5A

Power & Data via 11 pin Fischer 104 socket
Component HD via 7 pin Fischer 103 socket
SDI / HDSDI via BNC

Axes

Pan & Tilt joystick speed	110deg/sec
Large excursion correction	110deg/sec
Vibration Removal	1 - 50Hz
Movement Correction	1rev/min - 2Hz
Pan Rotation	360deg continuous
Tilt Rotation	+45 / -225 degrees from horizontal
Roll Rotation	+/- 40 degrees

Operational Controls

Ball:

Pan, Tilt, Roll.

Pan Speed, Tilt Speed,

Pan Drift ,Tilt Drift, Roll Drift

Gyros On/Off, Auto/Manual Gain, Auto/Manual Servo Drift

NESW preset positions

Full engineering setup from control panel via LCD displays

Cable or Dual frequency radio data control (radio requires additional data transmitters)

Camera: - (dependent on type)

Zoom, Focus, Iris, Run/Stop, White, Gain,

Shutter, Gamma, Detail, Play, FWD, REW,

Cameras may require an additional RCP

Mounting

2 x 3/8" threads on pcd 30mm

2 x 1/4" threads on pcd 30mm

Sealing

Ball sealed to IP55



Supplied Flight Cased

