



# 2720

## Medium Duty Intelligent Pan/Tilt Unit

### Features

- Designed to Meet Military Environmental Specifications
- Designed to EMC Class A Compliance
- Ruggedised
- Lightweight
- IP68
- Externally Accessible Pan/Tilt Limit Switches
- MIL Spec Connector

### Description

The 2720 Pan & Tilt is 12vdc, medium duty specialist Pan/Tilt unit with telemetry control built-in. The unit meets most demands, with an operational temperature range greater than -20°C to +50°C.

A built-in telemetry board enables the Pan/Tilt to be controlled via a serial link, with control from the Britannia TeleCase or direct from a PC. Preset potentiometers provide positional feedback to a repeatability of 0.2°. The built-in controller provides variable speed control and allows 8 presets to be stored.

Serial data out is provided for control of the Britannia 2000 series of cameras. Special to purpose software can be installed to meet any operational requirement.

The unit has been designed to pass the same rigorous testing as the Britannia 2558 Pan/Tilt unit which is in service with the UK MoD and used to a wide variety of projects, including EOD robots and other remote vehicles.

### Applications

The 2720 is ideally suited to the 2712 and 2553 colour zoom cameras manufactured by Britannia for EOD and remotely controlled vehicles. It is also incorporated in to the Mini Mavis rapid deployment, remote control camera system.

### Options

- Pelco "P" control
- Side mount adapter plate for 2553 camera
- Side mounting bracket for 2712 camera
- Custom mounting plates and adaptors

## Specifications

### Pan/Tilt

<b>Payload:</b>	6kg, 'over the top' (OTT) 10kg side mount version (SM)
<b>Pan Angle:</b>	±180°
<b>Pan Speed:</b>	30°/sec (max) variable or 10°/sec
<b>Pan Operating Current:</b>	150mA
<b>Backlash:</b>	<0.15°
<b>Height:</b>	146mm (OTT) 130mm (SM)
<b>Depth:</b>	85mm
<b>Main Bearings:</b>	Precision ball race
<b>Weight:</b>	2.3kg
<b>Tilt Angle:</b>	-90° +30° (OTT)
<b>Tilt Speed:</b>	10°/sec (max)
<b>Tilt Operating Current:</b>	165mA
<b>Ambient Temp Range:</b>	-20°C ~ +50°C
<b>Width:</b>	185mm (OTT)
<b>Fixings – Base:</b>	3 x M5 tapped holes 70mm PCD
<b>Fixings – Platform:</b>	2 x slots, 5.5mm wide x 20mm
<b>Seals:</b>	Neoprene 'O' rings