

Data

It can accept data from any of three sources;

RS485 via the XLR4 connector (pin2 = DataA, pin3 = DataB)

ASK modulated Data via the 75ohm BNC connector (if fitted)**

Radio Data via the aerial on the 50ohm BNC connector (if radio receiver is fitted)

Data is 9600 baud, true, no parity. See Protocols data sheet www.bradeng.com for full details.

Radio Data Receiver

The radio data receiver module usually operates in the license-free band but can be supplied on any requested frequency.

Automatic Data source selection

When the **RXMk3** is first powered up it automatically searches for data on all the 3 data input sources. Once found the unit locks onto this source as the primary data source.

However should data fail on the primary source the unit looks for data on one of the others. This ensures the maximum immunity from data interruptions.

Lens Driver

The 12pin Hirose socket can drive directly a 'remote' type lens. Internal adjustments are provided for centre voltage and swing range. (eg. 5v +/- 2.5v) However this output can also be configured as 3 x DC motor drivers with a centre voltage of 0v swinging +/- 12v. Max. 1A per driver.

Camera Protocols

Various camera types and manufacturers protocols can be embedded into the processor to enable full engineering control of cameras. The Data output and Data input pins are connected to the camera for 2 way communication.

Inputs & Outputs

Several inputs and outputs are available, some of which can have different configurations;

15 way D-socket

- Pan servo drive
- Tilt servo drive
- Pan Control Voltage (eg. for analogue heads with +5v as no-move)
- Tilt Control Voltage (eg. for analogue heads with +5v as no-move)
- 12volt regulated output (relay switched)
- Data output (RS232C/TTL)
- Data input (RS232C/TTL)
- Analogue Pan position input (0-5v)
- Analogue Tilt position input (0-5v)
- Pan servo encoder inputs
- Tilt servo encoder inputs
- Ground

12 way Hirose plug

- Zoom servo control or drive
- Focus servo control or drive
- Iris servo control or drive
- Lens set-up controls