

Digital Remote Head

from **BRADLEY** Engineering - www.bradeng.com



RS485 Control of Head & Lens
Weatherproof
Slip Ringed
Over or Underslung operation
Camera control protocols option

The **Digital Remote Head** from **BRADLEY** Engineering provides reliable and sophisticated remote camera operation.

Pan, Tilt, Zoom, Focus & Iris data are combined onto the same data stream which can be sent via industry standard audio cable to a range of over 1km. Camera control data is also multiplexed into the data stream using the embedded camera control protocols*.

Each head is individually addressable as one of 64 which can therefore all be on the same data loop or radio frequency and controlled from the same controller. The **Multi Function Controller** has push button selection of 8 heads but can be extended to 64 head selection.

The mechanics are very precise and provide virtually zero backlash operation at both high and low speeds. It has mechanical clutches on both Pan and Tilt to prevent gearbox and cable damage. The tilt clutch is externally adjustable to make camera balancing easy.

*protocols are only available for certain camera models.

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18 slip rings are fitted, of which 6 are used for head & lens control leaving 12 circuits available for the camera. Power and data are input on one waterproof Fischer socket and 11 camera circuits are available on another. A standard 12 pin Hirose remote lens socket is fitted, into which the lens plugs directly, obviating the need for interface cables.

The data processing presents no discernible delay to the operator and includes error recognition, system ident, head ident etc. Brief loss of data is tolerated without noticeable effect and a complete loss of data simply causes the head to come to a controlled halt. Positional sensors can be added for positional control.

All the servos are fully feedback controlled to give accurate speed control irrespective of load. Even an out of balance camera or dragging cable will make no difference to the speed in either direction. Overload protection circuitry works in conjunction with the mechanical clutches to prevent damage to the electronics or mechanics.

IP65 weather protection is achieved with gaskets and 'O' rings on all shafts ensuring that it can remain outside in the elements for extended periods.

Weight 3.2kgs, Max. load; 13kgs

Different sized camera brackets are available for various sized cameras.

