

Optical Fibre Link

The fibre link is ideally suited for use with many of Camera Corps products but in particular the Q-Ball.

It provides an SD/HD-SDI link from the camera to the control position, and an audio link for data in the reverse direction.

Two single mode fibres are required and LC fibre connectors are fitted to the unit. It can be powered directly from the same 12v supply as the Q-Ball.

In non-3D mode up to six cameras can be controlled from a single RCP using a single data line.



The video input is equalised and re-clocked allowing long video cables to be used from the camera to the fibre transmitter box.

The audio link is designed to suit Camera Corps data system and provides a very reliable method of control. The high input impedance allows many fibre transmitters to be 'paralleled' from a single data output. The low output impedance means that five interface boxes may be fed from a single fibre receiver.

Short XLR link cable and XLR4 splitter cable available for use with the Q-Ball Interface Box.

Features

Video:-

| | |
|--------------|---|
| Standards | SMPTE 424M, SMPTE 292M, SMPTE 259M, SMPTE 297M, DVB-ASI |
| Equalisation | Automatic to 100 m @ 3 Gb/s Automatic to 200 m @ 1.485 Gb/s Automatic to 300 m @ 270 Mb/s |
| Connector | 1 x 75 Ohm BNC Return Loss > 15 dB @ 1.485 Gb/s Input Re-clocked |

Audio:-

| | |
|-----------|--|
| Connector | XLR3 Female input – 100k Ω balanced XLR3 Male output – 100 Ω balanced |
|-----------|--|

Optical Input/ Output

| | |
|---------------|---------------------------|
| Connector | 2 x female LC as standard |
| Wavelength | 1310 nm |
| Optical Power | -2 dBm @ 1310 nm |

General specifications:-

| | |
|----------------|---------------------------|
| Length | 92 mm |
| Width | 64 mm |
| Height | 30 mm |
| | Excluding connectors |
| Weight | 100 g |
| Operating Temp | -30 to +70 $^{\circ}$ C |
| Power | 2.5 W |
| Voltage | 4.5 to 17 V dc |
| Signal detect | LED on for loss of signal |

Conformance:-

| | |
|--------------|-------------------------------------|
| EMI/RFI | Complies with 89/336/EEC |
| Laser Safety | Complies with Class 1 laser product |
| RoHS | Complies with Directive 2002/95/EC |
| Warranty | 1 year |