Bluebell

Deployable Optical Products for Outside Broadcast

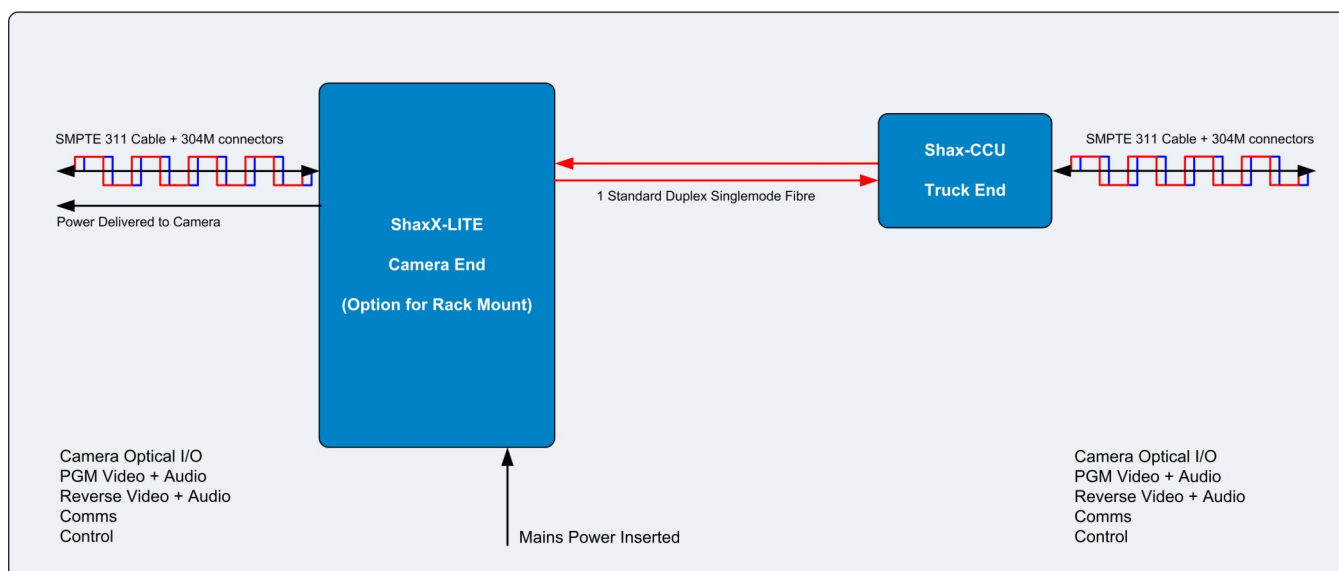## ShaxX-LITE   SMPTE Hybrid Alternative Connector Kit for Power Insertion

The ShaxX System from Bluebell has been designed to provide power insertion to broadcast cameras fitted with Standard SMPTE 304M hybrid connectors, thus allowing them to be remotely powered over the hybrid cable. Power can be inserted and transferred to the remote camera which can be up to 300m away. When combined with the Shax-CCU, cameras can be remotely deployed using the ordinary singlemode optical fibre network that may exist within a stadium, campus or metro area.

Shax-LITE is provided in compact footprint for the most cost-effective solutions. It is supplied in a "Multi Camera" version which is switch selectable between major camera manufacturers for easy deployment.

ShaxX-LITE allows the user to replace the fibre/copper hybrid cable between the camera and the CCU with standard fibre cable and relay all the communications and signals.
This frees the camera from being tethered to a local mains supply.

The ShaxX-LITE can also be combined with the BC Series Multi-format Interfaces to carry signals from multiple cameras over a single cable. This can help reduce and simplify rigging and installation time. Contact the Sales Office for additional information on the available options.

Front panel LEDs give instant operational feedback of the link status between each camera and CCU. The ShaxX-LITE is enclosed in a robust and ruggedised aluminium enclosure, ideally suited to Outside Broadcast and Fly Away applications. An optional rack mount panel also allows 2 Shax-LITEs to be mounted in standard 19" frames.

www.bluebell.tv

ShaxX-LITE SMPTE Hybrid Alternative Connector Kit for Power Insertion

Specifications

Optical I/O **Camera side**
Connector   1 x Lemo FXW.3K.93C.TLC Panel Plug
Wavelength   Independent

Optical I/O
Connector   2 x female ST, SC, FC
              See Ordering Information
Wavelength   Independent
Optical Loss < 1 dB per end

Mains Input
IEC Mains Inlet   Selectable rating 115 or 230 V ac.

Conformance
EMI/RFI   Complies with 89/336/EEC
Electrical Complies with EN 61000-6-1,
            EN61000-6-2
RoHS   Complies with Directive 2002/95/EC
IP Rating   IP50

General specifications
Dimensions   320 x 87 x 170mm without handles.

Operating Temp   -20 to +60 ^{0}C
CCU Supply Voltage 36 V dc and 240 V ac

Weight   3.5 kg
Warranty   5 years

Ordering Information

ShaxX-LITE-XX   SMPTE Hybrid Alternative Connection Kit - Used in conjunction with Shax-CCU allows
                        hybrid fibre enabled cameras to be connected to the CCU over standard fibre networks.
                        Power is inserted into the hybrid cable.

ShaxX-LITE-2U-RACK   19" 2U Mounting Plate for fixing 2 x ShaxX-LITE into a 19" cabinet or flight case.
                        Allows 2 x ShaxX-LITE to mounted side by side in a 19" cabinet.
                        Support for the rear of the ShaxX-LITE units in the cabinet is recommended.

Key /XX   Replace -XX with -ST for ST/PC connectors   ST is the standard preferred stock item.
                        Replace -XX with -FC for FC/PC connectors
                        Replace -XX with -SC for SC/PC connectors

Note: Units are provided in Multi Camera format as the standard factory option. **An individual
                        front panel switch for each channel allows user adjustment for certain Sony, Hitachi
                        and Ikegami cameras**. All Shax and ShaxX units are currently compatible with the following
                        Sony   HDC-900/950/1000/1500/1700/2500
                                    Contact the Sales Office for HDC-4300 and F55 camera compatibility
                        Hitachi   CU-HD1200 camera compatibility
                        Ikegami   HDK-97GX