

CAMLINX



Features

- HD/SD-SDI in both directions
- Tally
- 2 serial control ports
- Sync
- Talk back
- Power /cable copper + fibre optic cable –light weight 6.5 Kg /100m

The CamLinX system multiplexes video and analogue signals (in digital form) down a single fibre in each direction between the base station and head.

The fibre is capable of very high signal data rates and consequently HD does not require any compression that would result in frame delay

The fibre optic cable may have copper conductors within the sheath. Power is sent down at nominally 48 volts and converted to the camera voltage with high efficiency. This allows the use of relatively light cables for distances up to 250m. A 100m cable weighs 6.5 Kg. For longer distances a local power source or battery may be used.

Video

CamLinX interrogates the video input and then performs a set up procedure to conform to the input.

Connector 75 Ohm BNC

Level 0.8 v return loss better than -15dB to 1.5 GHz

Tally

Base station is opto isolated

Connector 15 pin D type Female

Camera output contact closure, indicator LED on top of unit, may be switched off

Communications

Two channel RS232/422 compatible user selectable
Connector 9 pin D type at base
12 pin Hirose at head

Talkback

Base station 4 wire system balanced inputs.
Camera end levels suitable for Microphone/headset
Volume control for headset
Sockets 5 pin XLRs

Sync

Will transmit standard tri sync or black and burst (burst will be inhibited)
Level +/- 150mv
Connector 75 Ohm BNC

Status display

Two line character display. The function selected via two momentary action push button switches
A switchable onscreen display is also incorporated as standard
The base station display may select.
Fibre transmit/receive levels both at base and remote
Fibre optic data errors
Video data errors
Software and firmware revision

Power

Base station input via standard IEC 3 Pin plug .Universal mains voltage
Power requirement determined by camera system ,up to 65 Watts
48 volt output to hybrid fibre / copper connector
Remote unit efficiently converts 48 volts to 12 volt for camera
12 volt input available to extend range to several kilometers.
Connector 4 pin XLR pin 1 negative pin 4 positive.
The normal battery pack will also clip onto the CamLinx head (PAGlok)

Fibre System

The fibre is single mode 9/125 microns
Connectors from different suppliers may be used, consult VolAmp Ltd
Standard supplied is by Neutrik .
The connectors are standard LC types, extensively used in the IT industry.
Hybrid cable diameter 7.3 mm
Weight 6.5 Kg / 100 m
Maximum distance 250 m with 60 Watt load

Physical

Base station 19" 1 U(44 mm) depth 270 mm
Remote head 130 x 170 x 85 mm

Additional Options

Redundant 48 volt power supply in base.
The following options use units, which clip into the camera CamLinx module using PAGlok type PAG 9672.
SD to composite converter.
Two channel Audio 24 bit with/without SD to composite converter.
SD to composite + component to HD/SD.