Cuelite

Camera Cue light controller

Camcorder and System camera cue light control

Camcorder remote record control and monitoring

Compact design for easy integration

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Overview

This unique product enables control of built in cue lights on camcorders and connected viewfinders.

Cuelite takes a mixer tally output and injects commands into the data path between a camcorder and control panel. This feature assists where camcorders are used in live, multi-camera production and removes the need for additional cue systems.

Cuelite can be used to remotely control and monitor the on-board recorder of the camcorder. It can be used with system cameras to control the red cue light and green preview light, without the need for a CCU.

An external DC power input means that the control panel can be powered locally, making it possible to extend the data connection to the camera well beyond the manufacturers specification.

Features

- Control built in cue lights on camcorders
- Remote control of record start-stop
- Control red cue and green preview lights on system cameras
- Takes common mixer tally signal
- Compact enclosure
- Power from camera or by external DC
- Locally power control panel and extend camera control cable up to 1000m using cat5 or XLR audio cable
- Indicators on front of interface for data connectivity, tally signals and record status.
- Record status in form of green cue light on supporting control panels.
- USB connection for firmware upgrades

Benefits

Full control of camera or camcorder using camera manufacturers control panels

Utilises built in cue indicators so no need for additional tally systems

Can be used alongside camcorder fibre adapter systems

Cue and preview for vision engineer on the control panel

Remote control and monitoring gives vision engineer and production assurance that cameras are recording on-board
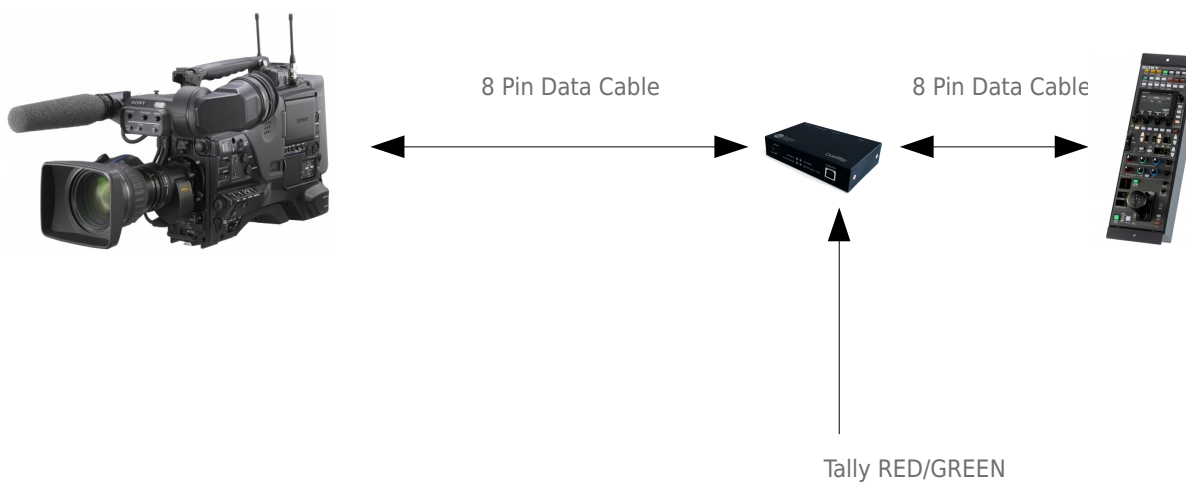
Applications

Single and multi-camera live production using camcorders.

Cue light on 'Box' cameras when used with robotic or 'hot-head' systems

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Basic System

8 Pin Data Cable   8 Pin Data Cable

Tally RED/GREEN

In this basic configuration the Cuelite sits in the data path between the camera and control panel. DC volts supplied by the camera power both the control panel and Cuelite.

Fibre System

Fibre system with data pass through   8 Pin Data Cable

12V DC Power
(optional)

Tally RED/GREEN
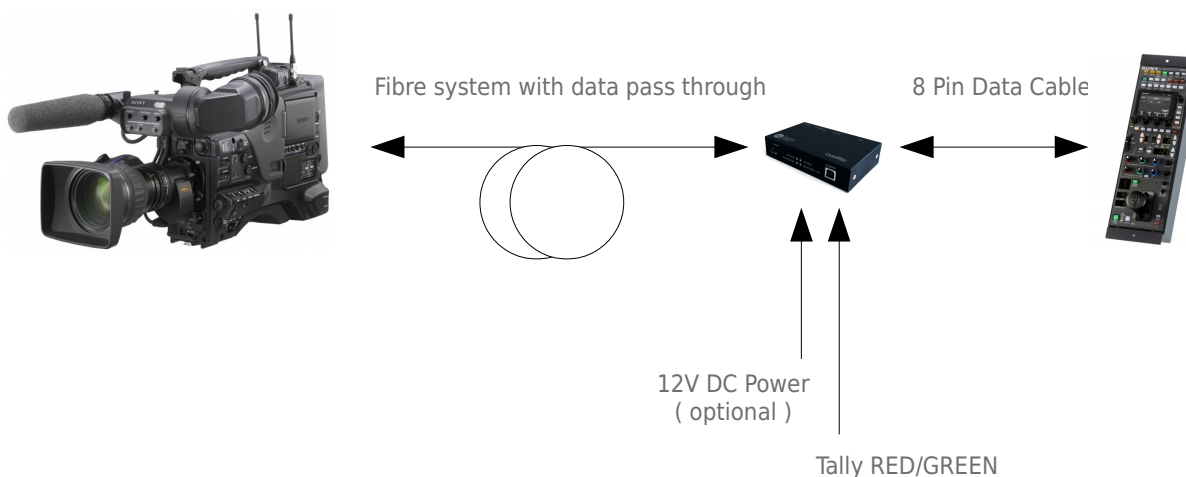
There are numerous fibre extension systems that can be used with camcorders, most of which support data 'pass through', In this case, Cuelite can be positioned between the fibre system base station and the control panel.
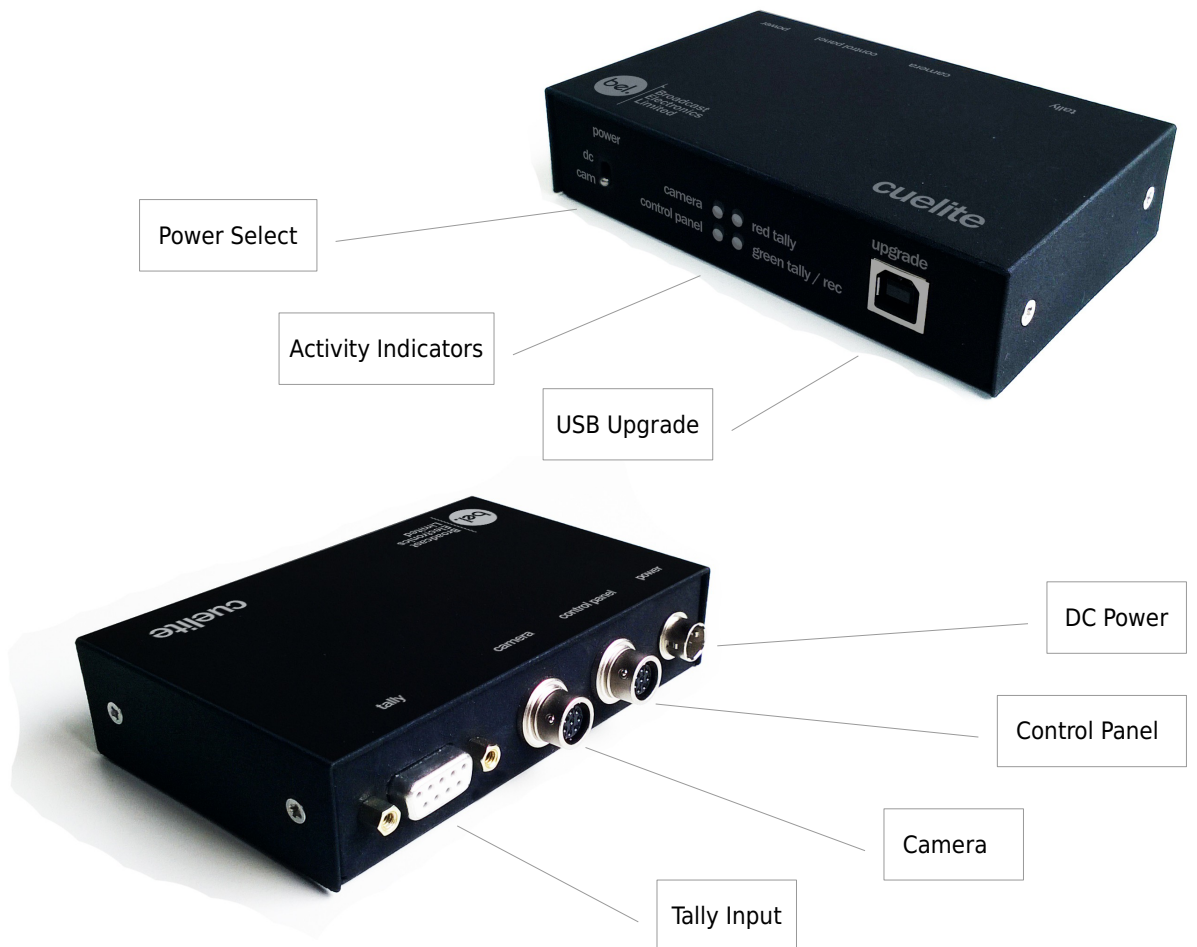
Specifications

General			
	Min	Typ	Max
Power Supply	8V	12V	12V
Power Consumption	1W		
Dimensions	112x70x25mm		

Input / Output	
Camera / Control Data	Hirose 8-P Female. RS422, Power
Tally input	Closed contact, open collector, live (+12V max)

Power Select

Activity Indicators

USB Upgrade

DC Power

Control Panel

Camera

Tally Input

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Pin Description

Tally - DSUB9-FEMALE

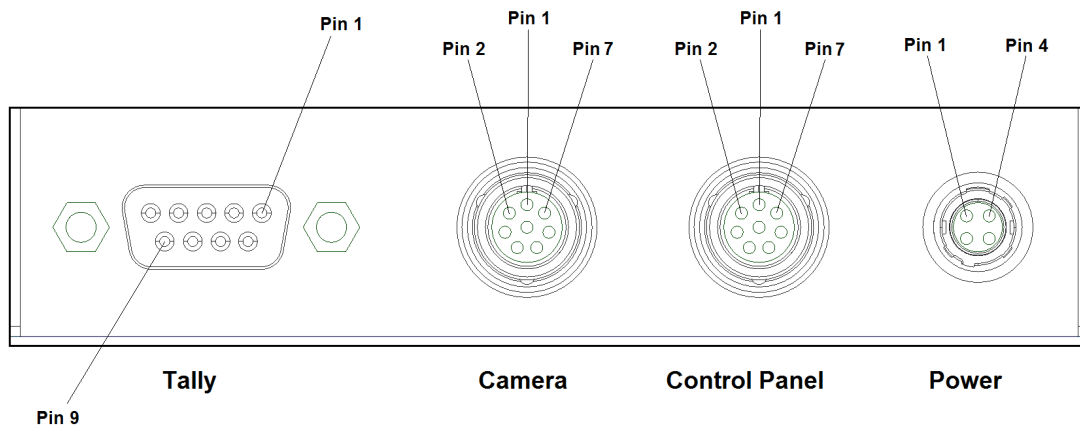| Pin number	Function
1	Red Tally – Dry input +VE
2	Green Tally / Record start-stop – Dry input +VE
3	Red Tally – Wet +3-12V Input
4	Green Tally / Record start-stop – Wet +3-12V Input
5	NC
6	Red Tally – Dry GND
7	Green Tally / Record start-stop – Dry GND
8	Red Tally – Wet GND
9	Green Tally / Record start-stop – Wet GND

Camera and Control Panel – Hirose 8-P Female

Pin number	Function
1	Data Out +
2	Data Out -
3	Data In +
4	Data In -
5	NC
6	Power (In from camera, out from camera or external DC supply)
7	GND
8	NC

Power – Hirose 4-P Male

Pin number	Function
1	GND
2	NC
3	NC
4	+12V – Note this supply is used to power the control panel.

Pin Diagram

Pin 1

Pin 1   **Pin 1**   **Pin 1**

Pin 2   **Pin 7**   **Pin 2**   **Pin 7**   **Pin 1**   **Pin 4**

Tally   **Camera**   **Control Panel**   **Power**

Pin 9

Tally Circuit Description

+5V

1

GND   6

Dry Input - Closed Contact / Open-Collector

3

+3.3-12V

8

Wet Input - +3-12V DC

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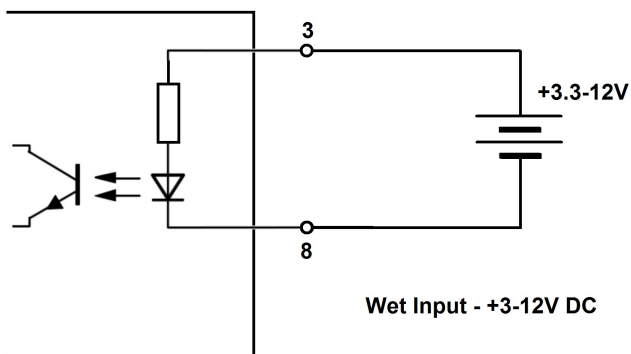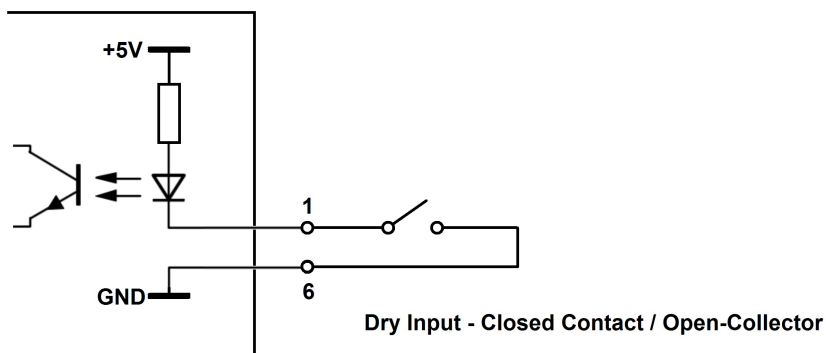
Supported OEM Cameras and Panels

Sony

Cameras – HDC-2500, HDC-1500, HDC-P1, PMW-F55, PDW-F800, PDW-700, DVW-790, DVW-970, PMW-EX3. All other cameras are untested.
RCPs – RCP-1500, RM-B150, RM-B170. All other panels are untested.

Panasonic

Cameras – All untested.
Control Panels – All untested.

For other OEM support please contact Broadcast Electronics Ltd.

Note: All camera and control panels are tested with known and recorded firmware version where possible. Broadcast Electronics Ltd. can not be held responsible for incompatibilities with other firmware (older or more recent). Please consult Broadcast Electronics Ltd. for details of specific firmware versions that are known to with individual OEM products. We advise all users test systems prior to use.

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