SONY

HDCU-1500

Compact HD camera control unit for HDC-1500 Series cameras



Overview

The HDCU-1500 is a compact 3U half rack control unit designed for use with the HDC-1500 series cameras. The HDCU-1500 is equipped with a range of built-in interfaces such as HDSDI/SD SDI outputs, HD/SD return inputs, and a down-converted analogue composite monitor output.
Both HDC-1500 portable camera and the HDC-1000 full size camera can be used with this camera control unit.

Comprehensive range of output signals

Three outputs are provided as standard, which can be configured as HD SDI, SD SDI outputs. A built in downconvertor provides the SD outputs, and also one analogue composite output.
In addition, two option boards slots are available which can be used to provide up to 8 additional HD or SD SDI outputs.

Compact installation ideal for OB vans

The HDCU-1500 is a compact 3U half-rack unit, for a compact system solution.

Compatible with HDC-1500 and HDC-950 series cameras

As well as the HDC-1000 and HDC-1500 cameras, the HDCU-1500 can also be used with the previous generation of Sony HD portable cameras, the HDC-950.
Note that when used with HDC-1000 or HDC-1500 + HDLA-1500, utility power is NOT available.

Built-in down-convertor for full quality SD outputs

A high quality downconvertor provides SD SDI and analogue composite outputs. The downconverted outputs can have their aspect ratio set to 4:3, or alternative modes such as letterbox or 15:9.

Compatible with HDLA-1500 large lens adaptor

Up to 1800 metre operation (even with LLA and large viewfinder)

The digital optical fibre transmission system used in the unit maintains the high picture quality of the camera across cable runs of up to 1800 meters.

Features

Compact 3U half rack unit

Enhanced range of output signals

Expandable Outputs

TCP-IP control interface

Specifications

HD inputs/outputs	
SDI output	BNC type (2), SMPTE 292M, 1080/50i, 60i, 30P, 25P, 24P, 720/60P, 50P HD SDI/SDI selectable
Monitor output	BNC type (1), SMPTE 292M, 1080/50i, 60i, 30P, 25P, 24P, 720/60P, 50P HD SDI/SD SDI selectable
SDI return inputs	BNC type (3), SMPTE 292M, 1080/50i, 60i, 30P, 25P, 24P, 720/60P, 50P HD SDI/SD SDI/VBS selectable

SD inputs/outputs	
Analogue composite monitor output	BNC type (1), Monitor/Sync selectable, character on/off selectable

Sync	
Sync output	BNC type (1), HD tri-level sync or SD sync Sync/Monitor selectable
Reference input	BNC type (1, with loop-through), HD tri-level sync or SD black burst

Intercom/Tally/PGM	
Intercom PD & ENG	D-sub 25-pin (1), 4W/RTS/CC selectable
PGM1/PGM2	0/-20 dBu selectable
R-Tally/G-Tally	24 V power in/make contact

Audio	
MIC1/MIC2 output	XLR-3-31 type (2, female), 0/-20 dBu selectable
Embedded audio	Embedded audio to HD SDI/SD SDI

Prompter	
Prompter in	Analogue Video SD

Others	
RCP/MSU/CNU interface	8-pin (1), Sony Camera Command Network Protocol (for entire camera system control)
Ethernet	RJ-45 (1), 10BASE-T/100BASE-TX
Mic remote	D-sub 15-pin
WF mode	4-pin (1), Stair step (for SD composite Waveform monitor)
WF control	D-sub 15-pin (1), GPI (for SDI component WF control) WF control/mic remote selectable
Trunk line	12-pin (round type connector), RS-232C/422 (remote line for CHU equipment)

Camera	
Optical fibre cable interface	SMPTE 304M based optical fiber connector (1), 1.5 gb/s optical fiber digital transmission, SMPTE 292 M

General	
Power requirements	AC 100 to 240 V, 50/60 Hz
Maximum current consumption	4 A (at 100 V AC, entire system active)

General	
Operating temperature	-10 to +40 °C (+14 to +104 °F)
Mass	Approx. 6.2 kg (13 lb 10 oz)
Dimensions (W x H x D)	200 x 127 x 410 mm (8 x 5 1/9 x 16 1/4 inches)

Information on EU Data Act: Click here to check if your Sony product and/or related service is subject to the EU Data Act.

Gallery





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