SONY

HDCU-2000

Full-rack-size Camera Control Unit for HDC Series cameras



Overview

Camera control for HDC-2000 Series and HDC-1500 Series cameras

HDCU-2000 is a full 19”-rack-size camera control base station for the 3G Double-Speed Multi Format HD system camera HDC-2000 Series and the HDC-1500 Series, enabling more creative capabilities for studio, outside broadcast and sports productions.

Wide range of interfaces and network control

The HDCU-2000 is equipped with a range of built-in interfaces such as 3G-SDI/HD-SDI/SD-SDI outputs, 3G-SDI/HD-SDI/SD-SDI/analogue composite return inputs, and a down-converted analogue composite monitor output. In addition, a variety of output interfaces are offered via optional boards, which can be installed in four free slots on the HDCU-2000. Furthermore, a built-in LAN interface (10BASE-T/100BASE-TX) allows the camera to be controlled over a network. Menu buttons and indicators that show the status of optical transmission on the front panel provide great operability.

Optic fibre extension includes power to the camera head

The optical fibre transmission system used with the HDCU-2000 maintains the camera’s high picture quality across cable runs of up to 4,000 metres.*

* When supplying power to the camera via optical fibre cable, maximum cable length varies with the camera system configuration, lens type, viewfinder type, the size of the optical fibre cable, and the number of cable connectors.

Features

Built-in interfaces offer versatility

The HDCU-2000 is equipped with a range of built-in interfaces of 3G-SDI/HD-SDI/SD-SDI outputs, 3G-SDI/HD-SDI/SD-SDI/analogue composite return inputs, and a down-converted analogue composite monitor output. The system has eight SDI outputs, including four 3G-SDI outputs, as standard. It also has four 3G-SDI/HD-SDI/SD-SDI, or analogue composite return video inputs.

Three types of interface expansion options

Three types of interface expansion option are available for the HDCU-2000: the HKCU-1001, HKCU-2007 and HKCU-1003. The HKCU-1001 SD Analogue Interface Unit provides two analogue NTSC or PAL VBS signal outputs, a PIX (picture monitor) output, and a WFM (waveform monitor) output. The HKCU-2007 3G-SDI/HD-SDI Output Expansion Unit provides four 3G-SDI or HD-SDI outputs. The HKCU-1003 Multi Interface Unit consists of three types of interface board and provides:

- Two analogue NTSC or PAL VBS signal outputs, a PIX output, and a WFM output (Board A)

- A frame reference input, output to lock 2-3 pull-down sequence, a PIX output, and

a WFM output (Board B)

- Analogue NTSC or PAL VBS and analogue component R/G/B or Y/R-Y/B-Y outputs (Board C)

LAN interface for network control
The HDCU-2000 has a built-in LAN interface (10BASE-T/100BASE-TX) to allow the camera to be controlled over a network.

Additional interfaces for teleprompter and microphones
The CCU also features two channel (VBS, 2xBNC) teleprompter input plus two-channel microphone outputs (two XLR connectors).

Multi-format functionality
The CCU has multi-format support for 1080/100i, 1080/119.88i, 1080/50P, 1080/59.94P, 1080/50i, 1080/59.94i, 1080/23.98PsF, 1080/24PsF, 1080/25PsF, 1080/29.97PsF, 720/50P, 720/59.94P and 1080-4:4:4-RGB (@50i, 59.94i,23.98PsF, 24PsF, 25PsF, 29.97PsF).

Extra bandwidth for creative shootings
The system offers RGB 12-bit output for creative shootings, 3D transmission on one cable, plus double speed acquisition.

Gigabit Ethernet trunk line
The CCU features a two-channel data trunk line (RS-422A/RS-232C) to facilitate easy data transmission.

High power supply
High power supply allows HDC-2000 Series cameras to operate with the HDLA-1500/HDLA-1505/HDLA-1507 HD large lens adaptors.

Supports cable runs of up to 4,000 metres*
The optical fibre transmission system used in the HDCU-2500 maintains the camera's high picture quality across cable runs of up to 4,000 meters (13,123 feet).

* When supplying power to the camera via optical fibre cable, maximum cable length varies with the camera system configuration, lens type, viewfinder type, the size of the optical fibre cable, and the number of cable connectors.

Related products



HKCU-SM100
CCU extension adaptor



HDRC-4000
HDR Production Converter Unit



BPU-4500A
4K/HD baseband processor unit for IP network production

Gallery



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