

## HDCU-5000

Camera Control Unit (CCU) for  
HDC-5500 and HDC-3500/3100  
series system cameras



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### Overview

The HDCU-5000 is a full 19" rack size Camera Control Unit (CCU) with dual transmission capability, offering UHB (Ultra High Bitrate) transmission for the HDC-5500 system camera and 3G transmission for HDC-3500/3100 series system cameras. This choice of transmission options broadens production flexibility for studio, outside broadcast (OB) and sports applications.

The HDCU-5000 is equipped with a range of built-in interfaces including 12G-SDI/3G-SDI/HD-SDI outputs and 12G-SDI/3G-SDI/HD-SDI return inputs.

Providing power to the HDC-5500 camera head, the optical fibre transmission system maintains uncompromised picture quality over cable runs of up to 4,000 metres\*.

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

\*1 For more details on the JT-NM Tested program in March 2020 and test results, please go to [https://jt-nm.org/jt-nm\\_tested](https://jt-nm.org/jt-nm_tested).

\*2 For more details on the JT-NM Tested program at IBC 2019 and its test results please see [http://jt-nm.org/jt-nm\\_tested](http://jt-nm.org/jt-nm_tested).

## Features

### **Versatile built-in interfaces**

The HDCU-5000 features a wide range of built-in interfaces, including 12G-SDI/3G-SDI/HD-SDI outputs and 12G-SDI/3G-SDI/HD-SDI return inputs. The CCU offers four 12G-SDI outputs and a maximum of eight 3G-SDI outputs as standard. Adding the optional HKCU-SDI50 expands this to a maximum of eight 12G-SDI outputs.

### **LAN interface for network control**

The HDCU-5000 includes a built-in LAN interface (10BASE-T/100BASE-TX). This allows the camera to be controlled over a network, and this interface can also be used for an IP TALLY function.

### **Ultra High Bitrate transmission**

The HDCU-5000 supports UHB (Ultra High Bitrate) transmission. This enables 4K 2x slow motion, or simultaneous transmission of two 4K pictures (main camera plus other camera, e.g. a POV picture input to trunk line).

### **Long distance transmission and utility out via HDLA**

The CCU's high power supply allows HDC-5500 series cameras to operate with the HDLA-1500/HDLA-1505/HDLA-1507 HD large lens adaptors over longer distances. HDLA utility out is available with HDCU-5000.

### **Extensive expansion options**

The HDCU-5000 offers four types of interface expansion option. The HKCU-SDI50 provides four additional 12G-SDI interfaces. The HKCU-SFP50 provides an ST 2110 IP interface (including IP intercom function). The HKCU-SM50 provide a single mode fibre connection capability between the camera and CCU. The HKCU-REC50 adds a CCU internal recording capability, allowing up to 4 hours recording time at 4K XAVC-I C300.

## Gigabit Ethernet trunk line

The HDCU-5000 CCU features a single channel trunk line (1Gb Ethernet) to support easy data transmission.

## Multi-format functionality

The HDCU-5000 offers multi-format support for 4K up to 2x, HD HFR up to 8x, PsF format, 1080-4:4:4-RGB (@23.98PsF, 24PsF, 25PsF, 29.97PsF).

## Recording and real-time network transfer

Adding the HKCU-REC50 internal recording option allows the HDCU-5000 CCU to record the camera's live feed (up to 4 hours recording time at 4K XAVC-I C300). Footage can be transferred in real time to a connected USB solid state drive or NAS (Network Attached Storage) device while recording takes place. As soon as shooting is finished, the file is immediately available on the attached storage device.

## Related products



### HDC-1700

Multi format HD portable system camera



### HDC-2500

3G double-speed multi format HD system camera



### HDC-3100

Three 2/3-inch CMOS sensors portable system camera for fibre operation



### HDC-3500

Three 2/3-inch 4K CMOS sensors portable system camera for fibre operation



### HDC-5500

High performance three 2/3-inch 4K CMOS sensor portable system camera with direct 4K output



### HDLA-1500

HD Large Lens Adaptor



### HDLA-1500/B

HD Large Lens Adaptor (Dark Colour)



### HDLA-1505

HD Large Lens Adaptor



## HDLA-1505/B

HD Large Lens Adaptor



## PWA-RCT1

Recording Control Software for PWS-4500, HKCU-REC55 and HKCU-REC50



## HKCU-REC50

Recording option for HDCU-5000



## HZCU-UHDR50

4K Recording License for HDCU-5000/5500/3500



## PWAL-RCT50

CCU recording control option for PWA-RCT1



## HZCU-DHR50

DNxHD Codec License for HDCU-5000, HDCU-5500 and HDCU-3500 camera control units



## RCP-3500

Remote-control panel for HDC/HSC/HXC series cameras



## RCP-3501

Remote-control panel for HDC/HSC/HXC series cameras



## MSU-3000

Master setup unit, multi camera remote control panel for system cameras (horizontal type)



## MSU-3500

Master setup unit, multi camera remote control panel for system cameras (vertical type)



## HDCE-TX50

IP camera extension adaptor for remote live production (transmitter)



## HDCE-RX50

IP CCU extension adaptor for remote live production (receiver)



## HDC-F5500

Super 35mm 4K CMOS Camera System



## HKC-VND50

Variable ND filter unit



## HKCU-UHF50

4K 4x processor board for HDCU-5000



## CNA-2

Camera Control Network Adapter

## Gallery



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