SONY

HDCE-RX50

IP CCU extension adaptor for
remote live production (receiver)

NETWORKED **LIVE**

Overview

The HDCE-RX50 IP Camera Control Unit (CCU) extension adaptor
support IP routing with HDCE-TX50 between Camera and CCU for
multi studio use in order to reduce the cost and complexity of
remote live production.

Used in conjunction with the HDCE-TX50 IP camera extension
adaptor, the HDCE-RX50 connects directly to the CCU (camera
control unit) that can sited remotely from the camera head.
Uncompressed signals from Sony HDC-5500/5000, HDC-
3500/3100 and HDC-2500/2400/1700 series system cameras are
converted to SMPTE ST 2110 and streamed over the IP network
with no limitation on distance between camera head and CCU.

Support for leading IP intercom vendors including RTS, Clear-
Com and Riedel allows producers and directors at the main
production center to communicate in real time with camera
operators at a remote venue.

Used in conjunction with the HDCE-TX50 transmitter, the HDCE-
RX50 also simplifies centralized allocation of equipment
between multiple studios, control rooms and machine rooms,
allowing camera signals to be routed instantly over IP to another
part of the facilities.

The software license for IP HDCE to support JPEG XS* without

any external boxes is currently under development.

* JPEG XS is a new ultra-low latency compression technology, which is beneficial in live productions with limited bandwidth.

Features

Cost effective IP upgrade
The HDCE-RX50 IP camera extension adaptor allows broadcasters, OB providers and live production specialists to upgrade to the benefits of IP Live production without needing to replace their current HDC camera investments. The HDCE-RX50 connects directly to the CCU that can be located remotely from the camera head and HDCE-TX50 extension adaptor transmitter.

Efficient resource sharing
The HDCE-RX50 allows faster, more cost-effective use of shared production resource across multiple studios and locations. While conventional SDI infrastructures tie one camera to a single CCU by fiber cable. Used in conjunction with the HDCE-TX50 it allows flexible reconfiguration of cameras, CCUs and other live equipment over IP without time-consuming reconnection of cables. This reduces the quantity of live equipment needing to be kept at each site, allowing resources to be shared efficiently.

Power supply from CCU
The HDCE-RX50 draws power directly from the connected camera control unit.
HD 6x(4x,3x,2x) HFR capability (PAIR MODE) with HDC-5500/5000 camera via UHB transmission.
HD 4x(3x,2x) HFR output is available with HDC-3500 camera with HZC-QFR50 HD4x software license.
The HDCU-5500/5000 support up to HD6x SDI output as standard for HDC-5500/5000 with HZC-HFR50 software license

4K Upgrade option (PAIR MODE)
4K IP output is available with only HZC-UHD50 in HDC-5500/5000

for UHB transmission mode connection.
In case of HB transmission mode with HDC-3500/3100, 4K IP output is available via an optional software license HZCE-UHD30 in HDCE-TX50. The HDCE-TX50 also provides a pathway for IP operation with HDC-5500/5000, HDC 3500/3100 and HDC-2500 series optical fiber studio cameras.
The IP HDCE support menu control from web browser. The status monitoring of multiple IP HDCE and CCU, setting file import/export and remote firmware update enhance the efficiency and convenience of the operation.

MENU setting from web browser

The IP HDCE support menu control from web browser. The status monitoring of multiple IP HDCE and CCU, setting file import/export and remote firmware update enhance the efficiency and convenience of the operation.

Related products

HDCE-TX50

IP camera extension adaptor for remote live production (transmitter)

HDCU-5000

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

HDCU-5500

IP-ready Camera Control Unit (CCU) for HDC-5500 4K/HD system camera

HDC-5500

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

HDC-F5500

Super 35mm 4K CMOS Camera System

Gallery