SONY

HDCE-TX30

IP camera extension adaptor for remote live production (transmitter)



NETWORKED LIVE

Overview

The HDCE-TX30 IP camera extension adaptor reduces the cost and complexity of remote production, simplifying connection of Sony HDC-3000 series system cameras to an SMPTE ST 2110 IP network.

Easily carried in a flight case, the compact 1/3 rack width adaptor connects directly to a camera head in the field. Compliant with the SMPTE ST 2110 family of open standards, the HDCE-TX30 transmits signals from the camera head over IP networks to the Camera Control Unit (CCU) sited at a remote production centre.

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

The HDCE-TX30 also simplifies centralised 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 facility without needing to re-connect fibre cables.

The software license to support JPEG XS without any external box is available.

Features

Cost effective IP upgrade
The HDCE-TX30 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.

Efficient resource sharing
The HDCE-TX30 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 fibre cable, the HDCE-TX30 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 to camera and interfaces
The HDCE-TX30 provides power to the camera head and system interfaces including IP Tally and IP Intercom.

4K Upgrade option (DIRECT MODE)
4K IP output is available via an optional software license HZCE-UHD30. The HDCE-TX30 also provides a pathway for IP operation with HDC 3500/3100 and HDC-2500 series optical fiber studio cameras.

HD 4x HFR IP capability(DIRECT MODE)

HD 4x HFR IP output is available with HDC-3500 optical fiber studio camera with optional HZC-QFR50 HD 4x HFR software license.

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.

JPEG XS capability
With optional software license, the HDCE-TX30 can support encoding and decoding that save bandwidth without compromising quality. It results in cost saving and workflow efficiency as more signals from different camera positions can be transmitted at one time.
Sony offers a range of weekly/monthly/permanent licenses so users can choose the one that suits their production needs.

Specifications

General	
Power requirements	100 to 240 V AC, 4.5 A (max)
Operating temperature	–10 °C to +40 °C (14 °F to +104 °F)
Storage temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Weight	Approx. 6 kg (13 lb 3.6 oz)

Input/output connectors	
CAMERA	Optical fiber connector (1)
RCP / CNU	8-pin multi-connector (x1)
LAN-COM	8-pin (x1)
NETWORK TRUNK	8-pin (x1)
LAN 1 to 2	SFP+, SFP28 10GBASE-**, 25GBASE-** (depending on SFP+/SFP28 transceiver module) For information about the supported SFP+ and SFP28 transceiver modules (e.g. OTM-10GSR1), contact your Sony sales or service representative.
SDI OUT	SDI Out 1 : 3G/HD-SDI OUTPUT, BNC (x1), 3G-SDI: SMPTE ST424/425 Level-A/B, 0.8 Vp-p, 75 Ω, 2.970 Gbps/2.967 Gbps, HD-SDI: SMPTE ST292, 0.8 Vp-p, 75 Ω, 1.485 Gbps/1.4835 Gbps 3G-SDI/HD-SDI/SD-SDI, character signal selectable
SDI I/O	SDI I/O 1 to 2 : 3G/HD/SD-SDI I/O, BNC (x2), 3G-SDI: SMPTE ST424/425 Level-A/B, 0.8 Vp-p, 75 Ω, 2.970 Gbps/2.967 Gbps

Input/output connectors	
SDI RET	BNC (x1), 3G-SDI: SMPTE ST424/425, 2.970 Gbps/2.967 Gbps, HD-SDI: SMPTE ST292, 1.485 Gbps/1.4835 Gbps BNC-type (1) 3G-SDI: SMPTE ST424/425, 2.970 Gbps/2.967 Gbps HD-SDI: SMPTE ST292, 1.485 Gbps/1.4835 Gbps
AUDIO OUT	EARPHONE : 4-pole mini jack (Supports 2-pole monaural, 3-pole stereo, 4-pole CTIA standard, 4-pole OMTP standard
USB	USB 2.0 Type A, 4-pin (1) (used for USB flash drive)
AC IN	100 to 240 V AC (1)

Supplied accessories	
Supplied accessories	Before Using this Unit (1), Operating Instructions (CD-ROM) (1)

Related products



HZCE-DIR50

Direct mode license for HDCE-TX30



HZCE-SNMP50

SNMP license for HDCE-TX30/HDCE-RX30



HZCE-CNFG50

Ember+ license for HDCE-TX30/HDCE-RX30



HDC-3100

2/3-type 3-CMOS sensor portable system camera for fibre operation



HDC-3500

2/3-type 4K 3-CMOS sensor portable system camera with HD 4x HFR capability



HDCE-RX30

IP CCU extension adaptor for remote live production (receiver)



HDC-1700

Multi format HD portable system camera



HDC-2400

3G multi format HD system camera



HDC-2500

3G double-speed multi format HD system camera



HDCU-3100

IP enabled next generation Camera Control Unit



HDCU-3500

IP-ready Camera Control Unit (CCU) for HDC-3000 series 4K/HD system camera



HZCE-UHD30

Software license for 4K IP output from HDCE-TX30 IP camera extension adaptor



HDC-3200

2/3-type 4K 3-CMOS sensor portable system camera with HD 2x HFR capability



HDC-3500RV

2/3-type 4K 3-CMOS sensor portable system camera with pre-installed variable ND filter and HD 4x HFR capability



HDC-3500R

2/3-type 4K 3-CMOS sensor portable system camera with HD 4x HFR capability

Gallery











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