

HSCU-300

Compact Camera Control Unit
for HSC-300 cameras



Overview

Digital Full HD transmission up to 1800m* using standard triax cable

Equipped with the latest Sony-developed digital transmission technology, the HSCU-300 Camera Control Unit (CCU) can transmit high-resolution pictures between the camera and CCU, supporting most live production applications. The HSCU-300 features flexible interfaces of selectable inputs/outputs between HD-SDI and SD-SDI.

* The maximum cable length depends on the camera system configuration, lens type, and the number of cable connections.

Easy integration of HSC-300 into multi camera operation

The HSCU-300 can connect the HSC-300 camera with the MSU-1000/1500 Master Setup Unit, which enables the HSC-300 to be used as a simple studio system or as part of a large-scale broadcasting system consisting of multiple cameras.

Highly compact design

The 1.5 RU-size CCU creates a standardized 19-inch rack system that is ideal for space-limited production areas.

Features

Digital Full HD transmission up to 1800m* using standard triax cable

The HSCU-300 Camera Control Unit (CCU) offers long cable runs of up to 1800m (5906 feet) via a ø14.5 mm triax cable between the camera and the CCU.

* The maximum cable length depends on the camera system configuration, lens type, and the number of cable connections.

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Multi-system input/output interfaces

The HSCU-300 features flexible interfaces of selectable inputs/outputs between HD-SDI and SD-SDI. Other interfaces include VBS in/out, HD/SD component video output, as well as sync out and mic and prompter inputs.

Built-in up and down converters maximise flexibility

The HSCU-300 includes a built down-converter to SD providing simultaneous HD and SD outputs and a simple up-converter to HD.

Cross-compatibility with HXC-100 cameras

The HSCU-300 also provides compatibility with the HXC-100 camera, increasing the flexibility of the system.

Control with Sony Remote Control Panel

The HSCU-300 can be controlled with RCP-700/900 Series Remote Control panels connected with CCA-5 cable or via LAN.

Specifications

General

Power supply	100 to 240 V AC, 50/60 Hz
Operating temperature	5 °C to 40 °C (41 °F to 104 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Mass	8.3 kg (18 lb 5 oz)

Input/output connectors

Camera	Triax (1) Kings type (for UC model) Fischer type (for CE model)
Intercom/Tally/PGM	D-sub 25-pin, female (1) INCOM (PROD/ENG), 4W/RTS/CC, 0 dBu TALLY (R, G) PGM 2 systems, -20/0/+4 dBu
Remote	8pin multi-connector (1)
Trunk	D-sub 9-pin, female (1), RS-422A 1 system

Ethernet	8-pin (1)
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Input connectors

AC input	100 to 240 V AC
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Serial return input	<p>BNC type (2)</p> <p>HD-SDI: SMPTE 292M, 0.8 Vp-p, 75 Ω, 1.485/1.4835 Gbps bit rate</p> <p>SD-SDI: SMPTE 259M, 270 Mbps bit rate</p> <p>HD-SDI/SD-SDI selectable</p>
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VBS return input	<p>BNC type (2)</p> <p>VBS: 1.0 Vp-p, 75 Ω</p>
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Reference input	<p>BNC type (2), loop-through</p> <p>HD: SMPTE 274M, tri-level sync, 0.6 Vp-p, 75 Ω</p> <p>SD: Black burst (NTSC: 0.286 Vp-p, 75 Ω; PAL: 0.3 Vp-p, 75 Ω)</p>
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Prompter input	BNC type (2), VBS signal, 1.0 Vp-p, 75 Ω, 2 ch
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Mic remote	D-sub 15-pin, female (1)
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Output connectors

Mic output	
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	XLR 3-pin, male (2), 0/-20 dBu
WF remote	D-sub 15-pin, female (1)
HD-SDI/SD-SDI output	BNC type (2) HD-SDI: SMTPE 292M, 0.8 Vp-p, 75 Ω, 1.485/1.4835 Gbps bit rate SD-SDI: SMPTE 259M, 0.8 Vp-p, 75 Ω, 270 Mbps bit rate HD-SDI/SD-SDI selectable
HD-SDI/SD-SDI monitor output	BNC type (2) HD-SDI: SMTPE 292M, 0.8 Vp-p, 75 Ω, 1.485/1.4835 Gbps bit rate SD-SDI: SMPTE 259M, 0.8 Vp-p, 75 Ω, 270 Mbps bit rate HD-SDI/SD-SDI selectable
Pr/R/R-Y, Y/G/Y, Pb/B/B-Y	HD Component video: Y (100% white): 0.7 Vp-p, Pr/Pb (75% color bar): 0.7 Vp-p, 75 Ω HD RGB video R/G/B (100% white): 0.7 Vp-p, 75 Ω SD Component video: Y (100% white): 0.714 Vp-p, Pr/Pb (75% color bar): 0.756 Vp-p, 75 Ω SD RGB video R/G/B (100% white): 0.7 Vp-p, 75 Ω

VBS OUT	BNC (2), VBS 1.0 Vp-p, 75 Ω
PIX OUT	BNC (1), VBS/R/G/B (VBS 1.0 Vp-p, 75 Ω)
WF OUT	BNC (1), VBS/SEQ/R/G/B (VBS 1.0 Vp-p, 75 Ω)
Sync out	BNC type (1) HD: BTA-S001A, tri-level sync, 0.6 Vp-p, 75 Ω SD: composite sync, 0.3 Vp-p, 75 Ω HD SYNC/SD SYNC selectable
WF mode	4-pin (1)

Supplied accessories

Number plates (1 set)
Operation manual (1)

Gallery

