

HDCU-3300

HD Super Motion Camera Control Unit



High Definition production has now entered into the mainstream. Viewers naturally expect all of the production features they have become used to in the SD world. Sony have responded to this challenge with a superb new slow-motion system, the HDC-3300 camera and HDCU-3300. The first system in the world to achieve three times image capture, for really slow and smooth replay.

The HDCU-3300 is dedicated to working with the HDC-3300 camera. It connects via a high speed version of the SMPTE Hybrid Optical Fibre. The transmission format is digital so there is no discernable degradation with fibre connections up to 2500m in length. The camera captures full HD resolution images (1920 x 1080), at three times the frame rate of the common production standards. In addition to the normal camera control function, the CCU processes the incoming image data and re-formats it onto 3 HD-SDI outputs for direct connection to the playback server.

The CCU also outputs a real-time HD signal from the camera for maximum operational flexibility.

Features

3U full rack unit

Enhanced range of output signals

The HDCU-3300 provides up to 8 SDI outputs, 4 of which are assignable (in pairs) as either HD or SD. A high performance downconverter is included, to deliver the SD signals, and aspect ratio conversion can be carried out if required. Character display and other system information can be superimposed on 2 of the outputs for monitoring purposes. A downconverted

VBS (composite analogue) output is also available for picture monitoring.

Expandable Outputs

2 Expansion slots are available for additional output interface cards (common to HDCU-1000 and 1500), if additional outputs or signal formats are required.

TCP-IP control interface

In addition to standard 700 series control I/F, the HDCU-3300 includes an Ethernet interface, offering alternative control system architecture.

Benefits

3x Speed Motion Capture

When used with the HDC-3300 Super Motion camera, the HDCU-3300 delivers 150/180i high speed video to any HD Slow Motion server system, using 3x HDSDI BNC video cables. Full HD resolution picture capture at 3x normal frame rate ensures smooth slow motion replay of superb HD images for all sports applications.

Single Speed Outputs

For live transmission, the HDCU-3300 includes a dedicated Digital Signal Processing chip to deliver conventional 50i/60i signals direct to the production switcher.

Digital Transmission System.

The camera video is delivered to the base station over a digital fibre optic cable link, ensuring no loss in signal quality, even at cable lengths of up to 2.5 km.

Simple Integration with other Sony HD camera systems

The HDCU-3300 uses the same control system as the HDC-1500/1000 camera family, ensuring simple system operation. Common connections for intercom, audio and remote control ease the system integration.

Comprehensive Video Outputs

Both HD and SD video signals can be taken from the HDCU-3300, for programme and monitoring purposes.

Accessories

Option Boards and Modules



HKCU-1001

SD Analogue Interface Board for HDCU-1000 and HDCU-1500



HKCU-1005

SDI Output Expansion Board for HDCU-1000 and HDCU-1500

Compatible Products

High Definition HDC Series



HDC-3300R

Full HD x3 Super Slow Motion Camera

High Definition HDC Series



HDC-3300R

Full HD x3 Super Slow Motion Camera