SONY

HDCE-500

Camera Extension Adaptor for HDC fibre cameras and HDC-P50A



Overview

Versatile 4K production across long distances

This multi-purpose expansion unit increases your shooting possibilities in environments where local power supplies or easy access to the camera head is not available, such as outdoor sports. Paired with high performance cameras, like the HDC-P50A 4K/HD HFR compatible POV (Point of View) system camera, the HDCE-500's IP interface allows power and signal transmission up to 350 m using a Single Mode Fiber cable. Portable system cameras such as the HDC-5000 / 3000 series can also be combined with the HDCE-500 to transmit power and signal up to 3 km over optical fiber cable. The HDCE-500 output is also equipped with a Lemo connector to enable connection with a Camera Control Unit (CCU) for building multi-camera systems with the HDC-P50A, and supports Single Mode Fiber connections for long-distance transmission up to 10 km .

Hybrid Fiber Camera Cable to Single Mode Fiber cable adaptation for extended range

The HDCE-500 camera extension adaptor converts the Hybrid Fiber Camera Cable fiber from HDC Series to Single Mode Fiber Cable, for up to 10 km long distance transmissions. The HDCE-500 provides power to the camera head, avoiding the need for localised DC power supply in the field.

Features

Long-distance 4K production with Single Mode Fiber Cable
The HDCE-500 provides long-distance transmission from a camera to a Camera Control Unit (CCU) with a Single Mode Fiber Cable.

Supply power to the cameras
The HDCE-500 can power the camera head using its Hybrid Fiber Camera Cable.

Specifications

General	
Power requirements	100 to 240 V AC, 50/60 Hz
Current consumption	2.6 A (max.)
Operating temperature	-10 °C to 40 °C (41 °F to 104 °F)
Storage temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Dimensions (W x H x D)	200 x 83 x 366 mm (7 7/8 × 3 3/8 × 14 1/2 inches)
Weight	Approx. 4.8 kg (8 lb. 13 oz.)

Input/output connectors

CAMERA	CAMERA1: Optical fiber connector(1) CAMERA2: Optical/electric multi connector(1)
CCU	CCU IN/OUT: ST connectors for single mode fiber(1) CCU 240V: Optical fiber connector(1)
Distance of power supply	CAMERA1: 3km CAMERA2: 350m
AC IN	100 - 240 V AC connector (2)

Supplied accessories

Supplied accessories	Operation guide (1) Operation manual (CD-ROM) (1)

Optional accessories

Optional accessories	CCFN-25/50/100/150/200/250 Hybrid Fiber Cable HKCU-SM50 Single Mode Fiber Connector Kit HKCU-SM100 CCU Extension Adaptor CCFN-JC1 Cable Coupler

Related products



HDC-P50A

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



HDC-F5500V

Super 35 mm 4K CMOS sensor portable system camera with pre-installed variable ND filter and 4K 2x HFR capability



HDC-5500

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



HDC-5500V

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



HDC-3500

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



HDC-3500V

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



HDC-3200

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



HDC-3100

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



HKCU-SM100

CCU extension adaptor



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



HDC-5500R

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

Gallery















© 2004 - 2026 Sony Corporation. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Features and specifications are subject to change without notice. The values for mass and dimension are approximate. All trademarks are the property of their respective owners.

Export PDF : November 1 2026