

# 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 x 3 3/8 x 14 1/2 inches) |
| Weight                 | Approx. 4.8 kg (8 lb. 13 oz.)                     |

## Input/output connectors

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

## Supplied accessories

|                      |                                                      |
|----------------------|------------------------------------------------------|
| Supplied accessories | Operation guide (1)<br>Operation manual (CD-ROM) (1) |
|----------------------|------------------------------------------------------|

## Optional accessories

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



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