

## HDC-3200

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



**NETWORKED LIVE**

### Overview

#### **Spectacular 4K quality made brilliantly accessible**

The HDC-3200 system camera brings pristine 4K image quality and impressive versatility to every live production. Sharing many operational features with Sony's acclaimed HDC Series of cameras, the HDC-3200 features a highly sensitive 4K 3CMOS sensor with Global Shutter Technology, delivering sparkling picture quality with extremely low noise – even in dimly lit studios.

### Features

#### **Sensitive 2/3-inch 4K CMOS imager with global shutter**

The high-performance 2/3-inch 4K CMOS image sensor at the heart of the HDC-3200 achieves extremely high sensitivity with an impressive signal-to-noise ratio. Sony's class-leading Global Shutter Technology eliminates the 'jello effect' and banding noise, allowing the HDC-3200 to capture stable, precise 4K (UHD) images even with fast-moving subjects. Whether you're shooting in news studios with LED walls or live entertainment venues, viewers will appreciate premium pictures with exquisite 4K detail and high dynamic range, with support for the ITU-R BT.2020 wide colour space.

#### **Quick conversion from handheld to large lens operation**

Compatibility with Sony's new HDLA-3505 and HDLA-3501 large lens adaptors gives even more flexibility in live production environments. Unlike traditional 'build-up' kits, the adaptor allows fast one-touch mounting of the camera head without the need for time-consuming wiring and adjustments. As a further time-saving feature the HDC-3200 can be undocked from the adaptor without needing to remove the lens.

#### **Bigger returns from your production assets**

Sharing familiar ergonomics and operating workflow with Sony's acclaimed HDC camera family, the HDC-3200 is compatible with a wide range of camera system accessories including viewfinders, large lens adaptors and camera control units. You'll benefit with reduced training requirements and optimised use of your existing hardware inventory.

#### **Easy in-CCU recording**

Add the optional HKCU-REC55 to the HDCU-3500 Camera Control Unit and record 4K video and audio directly to the CCU, with no other external recording device needed. Recording can be controlled remotely from the CCU side, allowing the camera operator to focus on capturing beautiful images without distractions.

#### **Ready for IP Live**

The HDC-3200 is a versatile, highly cost effective partner for today's IP Live production workflows. The camera can be integrated seamlessly into your ST 2110 production infrastructure, either via the HDCU-3500/3100 CCU with IP interface option or using HDCE-TX50/TX30 camera extension adaptor.

## Simultaneous HDR and SDR production

The HDC-3200 supports Sony's acclaimed SR Live workflow, reducing the cost and complexity of simultaneous HDR and SDR programme production by a single crew.

## Specifications

### General

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Power requirements    | AC 240 V, 1.4 A (max.), DC 240 V, 1.05 A (max.) |
| Operating temperature | -20°C to +45°C (-4°F to 113°F)                  |
| Storage temperature   | -20°C to +60°C (-4°F to 140°F)                  |
| Weight                | Approx. 4.6 kg (10 lb 2 oz)                     |

### Imager

|        |                                                  |
|--------|--------------------------------------------------|
| Imager | 2/3-inch type 4K CMOS sensor with global shutter |
| Method | 3-CMOS, RGB                                      |

### Electrical characteristics

|                       |                                                                                  |
|-----------------------|----------------------------------------------------------------------------------|
| Sensitivity           | F10 with 1080/59.94p<br>F11 with 1080/50p<br>(at 2000 lx with 89.9% reflectance) |
| Signal-to-noise ratio | -62 dB                                                                           |
| Geometric distortion  | Negligible (not including lens distortion)                                       |

### Optical system specifications

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Spectrum system     | F1.4 prism                                       |
| Built-in filters *2 | 1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64N, 5:CROSS |

### Input/output connectors

|             |                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CCU         | Electro-optical connector (LEMO 3K.93C connector) (x1)                                                                                                                                                                                            |
| LENS        | 12-pin (x1)                                                                                                                                                                                                                                       |
| VF          | 20-pin (x1)                                                                                                                                                                                                                                       |
| Audio input | MIC 1 IN : XLR 3-pin, female (x1)<br>AUDIO IN CH1, CH2 : XLR 3-pin, female (x1 each)<br>When AUDIO switch is set to MIC: -60 dBu (can be selected up to -20 dBu by menu operation), balanced<br>When AUDIO switch is set to LINE: 0 dBu, balanced |

## Input/output connectors

|                  |                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INTERCOM         | XLR 5-pin, female (x1 each)                                                                                                                                   |
| EARPHONE         | 4-pole mini jack (x1), (2-pole mono, 3-pole stereo, 4-pole CTIA standard, 4-pole OMTP standard)                                                               |
| DC IN            | XLR 4-pin (x1), DC 10.5 to 17 V                                                                                                                               |
| DC OUT           | 4-pin (x1), DC 10.5 to 17 V, max. 0.5 A <sup>*1</sup> ,<br>2-pin (x1), DC 10.5 to 17 V, max. 2.5 A <sup>*1</sup>                                              |
| SDI              | SDI 1 : BNC (x1)                                                                                                                                              |
| SDI MONI         | BNC (x1)                                                                                                                                                      |
| TEST OUT         | BNC (x1)                                                                                                                                                      |
| PROMPTER/GENLOCK | BNC (x1)<br>PROMPTER 1 Vp-p, 75 Ω<br>GENLOCK HD: SMPTE ST274, tri-level sync, 0.6 Vp-p, 75 Ω,<br>SD: Black burst (NTSC: 0.286 Vp-p, 75 Ω/PAL: 0.3 Vp-p, 75 Ω) |
| RET CTRL         | 6-pin (x1)                                                                                                                                                    |
| REMOTE           | 8-pin (x1)                                                                                                                                                    |
| TRACKER          | 12-pin (x1)                                                                                                                                                   |
| USB              | USB 2.0 Type A 4-pin (x1) (for connecting USB drive)                                                                                                          |

## Supplied accessories

|                      |                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplied accessories | Before Using This Unit (1),<br>Operating Instructions (CD-ROM) (1),<br>Cable clamp belt (1 set),<br>Screws (+B3×8) (2),<br>Attached label (1),<br>Camera number label (1) |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Note

|    |                                                                                                                                                                                                                                         |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| *1 | This may be limited by the imposed load or inputs.                                                                                                                                                                                      |
| *2 | In cases where a HDC-3200's Series camera's built-in Filter does not fully reduce the moire caused by some LED walls, the optional Optical Low Pass Filter (OLP) will help further reduce the moire effect (Part number; 1-856-731-31). |

Related products



**RCP-3100**

Joystick type of remote control panel for HDC/HSC/HXC series cameras.<br>5 units in 19-inch EIA rack.



**HDCU-3100**

IP enabled next generation Camera Control Unit



**HDVF-EL75**

7.4-inch OLED Viewfinder for portable cameras



**HDVF-L750**

Full HD 7-inch LCD viewfinder



**HDCE-TX30**

IP camera extension adaptor for remote live production (transmitter)



**HZC-CSM10**

Master Setup Unit (MSU) PC Software



**HZCE-JX50F /  
HZCE-JX50FM /  
HZCE-JX50FW**

4K/HD JPEG XS SOFTWARE



**HZCE-JX50H /  
HZCE-JX50HM /  
HZCE-JX50HW**

HD JPEG XS SOFTWARE



**BRC-AM7**

Premium PTZ Auto Framing Camera with AI Analytics, 4K 60p, 20x optical zoom. High interoperability with other production systems



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Export PDF : September 8 2026