

## HXC-D70K

Affordable three 2/3-inch Exmor CMOS sensors SD / HD Studio Camera with viewfinder and lens



### Overview

#### **System camera ideal for small studio operations**

The HXC-D70K is a high-performance yet affordable HD camera that inherits field-proven operability from the highly regarded DXC-D Series of system cameras. The camera is equipped with the latest digital HD multi-core technology that integrates perfectly with the HXCU-D70 HD multicore camera control unit (CCU). Furthermore, the existing CCU-D50 CCU can also be used with the HXC-D70K for migration from SD to HD live production.

The HXC-D70K is supplied with the CBK-VF01 3.5-inch colour LCD monocular viewfinder as standard. The standard 16x Fujinon supplied lens offers 2x Digital Extender function and Auto Focus.

### Features

#### **Full HD Exmor CMOS sensors**

The HXC-D70K features three 2/3-inch Exmor CMOS sensors to produce excellent HD pictures.

#### **Records variety of HD images**

The HXC-D70K produces a variety of selectable progressive and interlace HD signal formats, including 1080/50i and 720/50P.

#### **SD down-converter**

The HXC-D70K produces superb Standard Definition picture quality with its wide-band down-converter.

#### **Single multicore cable connection to CCU**

The HXC-D70K requires one Sony standard multicore cable connection to operate with the HXCU-D70 or CCU-D50 CCU. Working with the HXCU-D70 HD multicore CCU, full camera control is possible through a user-friendly operational panel designed specifically to work with the HXC-D70K camera.

#### **Wide range of image control functions**

The system camera is full of creative image control functions such as MultiMatrix, Skin Tone Detail, Low Key Saturation, Knee Saturation, and Auto Lens Aberration Compensation (ALAC).

#### **Operational functions with supplied lens**

The HXC-D70K camera features versatile operational functions such as the 2x Digital Extender function and Auto Focus function with the supplied 16x Fujinon lens.

**Supplied with digital HD viewfinder**

The HXC-D70K camera is supplied with the CBK-VF01 3.5-inch colour LCD monocular viewfinder, offering better and easier focusing.

Specifications

General	
Power requirement	12 V AC (10.5 V to 17 V)
Operating temperature	-10°C to +45°C (14°F to +113°F)
Storage temperature	-20°C to +60°C (-4°F to +140°F)
Mass	3.4 kg (7 lb 7.9 oz)
Camera section	
Pickup device	3-chip 2/3-inch type Exmor Full-HD CMOS
Effective picture elements (H x V)	1920 x 1080
Signal format	Selectable from 1080i/59.94, 720p/59.94, 1080i/50, 720p/50
Spectrum system	F1.4 prism system
Built-in filters	1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND
Sensitivity	F12 (typical) (1920 x 1080/59.94i mode), F13 (typical) (1920 x 1080/50i mode) (at 2000 lx, 3200 K, 89.9% reflectance)
Signal-to-noise ratio (typical)	Approx. 59 dB (Y) (typical)
Horizontal resolution	1,000 TV lines or more (in 1920 x 1080i mode), 920 TV lines (in SD mode)
Input/Output	
Audio input	XLR 3-pin (x2, at front panel and rear panel)
Prompter output/Genlock input	BNC (x1), 1 Vp-p, 75 Ω
DC input	XLR 4-pin (x1)
DC output	4-pin (x1)
Test output	BNC (x1)
SDI input	BNC (x1)
SDI output	BNC (x1)
Earphone output	Mini-jack 3-pin (x1)
CCU	CCZ 26-pin (x1)
Trunk	D-sub 9-pin, female (x1), RS-232C interface

Intercom	XLR 5-pin, female (x1)
Remote	8-pin (x1)
Viewfinder	Digital interface (x1) and DXF type analog interface (x1)

### Supplied Lens

Lens mount	2/3-type Sony bayonet
Zoom ratio	16x (optical), servo/manual
Focal length	f = 8 mm to 128 mm (the equivalent of 31.5 mm to 503 mm on a 35 mm lens)
Iris	F1.9 to F16 and Close, auto/manual selectable
Focus	AF/MF/Full MF selectable, 800 mm to ∞ (MACRO OFF), 50 mm to ∞ (MACRO ON, Wide), 732 mm to ∞ (MACRO ON, Tele)
Image stabilizer	ON/OFF selectable, shift lens
Filter diameter	M82 mm, pitch 0.75 mm (on lens)

### Supplied Accessories

Lens mount cap
Operating Instructions
CD-ROM
Viewfinder
Monaural microphone
Windscreen
Flange back adjustment chart
Auto focus lens

### Related products



**DWR-S02D**

Digital wireless receiver



**LMD-A220**

22-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



**LMD-A220 v3.0**

22-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



**LMD-A240 v3.0**

24-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



### **LMD-A170**

17-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



### **LMD-A240**

24-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use



### **LMD-A170 v3.0**

17-inch cost-effective, lightweight Full HD high grade LCD monitor for studio and field use

## Gallery

