

HXC-D70K

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

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.

PrimeSupport

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment and your business.

Features

Full HDExmor CMOS sensors

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

Technical 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)

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.

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/Gen-lock 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	CZ 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

Accessories

Receivers

DWR-S01D

Dual digital wireless microphone receiver

Viewfinders

DXF-20W

2.0-inch Monochrome Viewfinder

Viewfinders and Hoods

DXF-51

5-inch monochrome studio viewfinder

Control Systems

HXCU-D70

SD & HD multicore Camera Control Unit for HXC-D70 cameras

RCP-1500

Standard remote control panel with Joystick type control

RCP-1000

Simple remote control panel with joystick type control

RCP-1501

Standard remote control panel with encoder type control

RCP-1001

Simple remote control panel with encoder type control

RCP-1530

Slim remote control panel with joystick type control

Tripods and Supports

VCT-U14

TRIPOD ATTACHMENT FOR VIDEO CAMERA