

HDC-2400L

Multiformat Camera System



Overview

Multiformat Camera System

Sony is pleased to introduce the HDC-2400L HD portable and studio configurable camera system. The HDC-2400L is a successor model of the current HDC camera system including HDC-1400R. Incredible picture performance and features are realized by incorporating newly developed 16-bit Digital-Signal-Processing (LSI) and new image-sensors. A remarkable signal-to-noise ratio of 64 dB can be achieved when Noise Suppression (NS) is applied. The HDC-2400L integrates many unique features, modern design of carbon-graphite side panel, 3G signal transmissions and others. The Basic operation of this camera will be under 1080i, 720p. By adding available optional software the camera can be operational under all signal formats including 2 x slow-motions. In addition, all of accessories currently available for HDC series camera will be used for this camera system.

Highlights

- Newly developed 2/3-inch progressive CCD
- Newly developed LSI(16bits A/D)
- 3G transmission
- 1080i and 720p basic and upgradable using optional items
- Carbon Graphite side panel
- Compact and lightweight
- Ergonomic design
- Enhanced creative features including Multi-Matrix, Digital

Extender, Skin-Tone Detail, Hyper Gamma, and Adaptive Matrix

Specifications

Camera Specifications

Built-in-Filters	ND)1: CLEAR, 2: 1/4ND, 3: 1/16ND 4: 1/16ND, 5: 1/64ND
Dynamic Range	600%
Effective Picture Elements	1920 x 1080 (H x V)
Gain Selection	-6,-3,0,+3,+6,+9,+12 (standard)
Horizontal Resolution	1000tvl
Lens Mount	B4
Modulation Depth	Y: 50% at 27.5 MHz (800 TV lines with typical lens)
Optical System	F1.4 prism system
Pickup Device	3-chip 2/3-inch type CCD (IT)
S/N Ratio	60db(Typical) 64db with NS
Sensitivity	F10 (1080i/59.94 mode), F11 (1080i/50 mode) (at 2000 lx, 3200 K, 89.9% reflectance)

General Specifications

Format	1080i and 720p standard
Operating Temperature	-20°C to +45°C (-4°F to +113°F)
Power Requirements	240 V AC, 1.4 A (max.), 180 V DC, 1.0 A (max.), 12 V DC, 7 A (max.)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Weight	4.5 kg (9 lb 15 oz)

Input Connectors Specifications

Audio Input	(Ch1, Ch2) XLR 3-pin (x2) (female)
DC IN	XLR 4-pin (x1)
Genlock/Return IN	BNC (x1), 1 Vp-p, 75 Ω
Return Control	6-pin (x1)

Input/Output Connectors Specifications

CCU	Optical / electrical multi-connector (x1)
Crane	12-pin (x1)
Intercom	Intercom 1 / Intercom 2 XLR 5-pin (x2) (female)
Lens	12-pin (x1)

Prompter	Prompter output / Genlock input BNC (x1), 1 Vp-p, 75 Ω Prompter output / Return input BNC (x1), 1 Vp-p, 75 Ω
Remote	8-pin (x1)
Tracker	10-pin (x1)

Inputs and Outputs Specifications

Audio / Headphone Output(s)	Mic input XLR 3-pin (x1) (female)
Audio In	(Ch1, Ch2) XLR 3-pin (x2) (female)
DC In	XLR 4-pin (x1)
DC Out	mini type 4-pin (x1) (DC 10.5 V to 17V, max. 0.5 A) 2-pin (x1) (DC 10.5 V to 17V, max. 2.5 A)
Earphone	Stereo mini-jack 3-pin (x1)
HD-SDI Out (Dual Link)	SDI 1 BNC (x1) (3G / HD-SDI output) SDI 2 BNC (x1) (HD-SDI input / output) SDI monitor output BNC (x1) (HD-

SDI / SD-SDI)

Memory Stick

Type A 4-pin (x1)

Test Out

BNC (x1), 1 Vp-p, 75 Ω

Gallery

