Ikegami

Unicam *HD*

Multi-format CMOS Camera System
HDK-99

Multi-format CMOS Camera System
HDK-73

2.6 Mega pixel 2/3-inch CMOS Sensors

The HDK-73 and HDK-99 utilize three 2/3-inch 2.6 mega pixel CMOS sensors, each capable of capturing full HD 1920 x 1080 resolution images with a dynamic range of 600% in normal mode and an extremely wide 1200% in HLG mode, and giving you an excellent sensitivity of F12 (60Hz) / F13 (50Hz) and high signal-to-noise ratio.

HDR (High Dynamic Range)

The camera provides an HDR function with its HLG (Hybrid Log Gamma) curve. It is now possible to shoot a scene with high dynamic range without losing gradation in the highlights
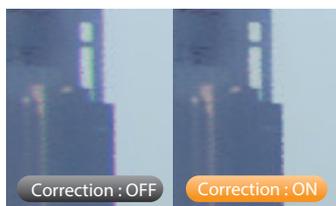
Standard Camera

HDR Hybrid Log Gamma with HDR monitor

Lens Chromatic Aberration Correction

Acquires correction data from the corresponding lens and automatically corrects lens chromatic aberration based on lens zoom, focus, and iris position information.

Correction : OFF   Correction : ON

Focus Assist Function

The Focus Assist function is a newly incorporated useful tool, providing very distinct enhancement to the viewfinder signal to enable the camera operator to make critical focus adjustment. The size of the area, area color, edge color, and display time are adjustable in the camera menu.

Focus Assit ON

Variable ECC (Electric Color Compensation)

Variable white balance over the broad range of 2,000K to 20,000K.

SE-H750   System Expander *HDK-99

The SE-H750 system expander supports operation with large lenses and studio viewfinder for sports and other applications.

16-Axis Color Correction *HDK-99

The color correction function enables precise color adjustment for all occasions. 16 axes of the color gamut can be fine tuned in both hue and saturation. This function works in real time and is extremely beneficial for live multi-camera applications.

Original

Correction : ON

Digital Extender *HDK-99

The built-in digital extender expands the center of picture. The expansion can be selected as 1.5X, 2X, 3X, 4X (4 steps) by the camera menu and from the OCP-300.

Anti-Moiré Filter (Factory Option)

An Anti-Moiré Optical Low-Pass Filter can be fitted in the filter wheel to reduce unwanted moiré patterns when shooting LED screens, etc.
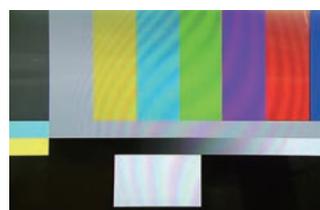
Filter OFF

Filter ON

*Images shown are for illustration purposes

HDK-99, BSX-100

HDK-99 camera head, FA-97A fiber adaptor, BSX-100 base station

Top of the line HD camera system.
SMPTE type connectors standard. Optionally, the BSX-100 is
4K upscaleable and supports MoIP (ST 2110).

HDK-99

2.6M Sensors	HDR	Focus Assist	Anti-Moiré Filter
			*option
3G 1080p	F11	S/N 62dB	4.9kg
16-Axis CC			

HDK-99

BSX-100

Size 3RUHalf	Cable length: 4,000m (13,123ft)	
4K Upscale License	12G-SDI	MoIP
*option	*option	*option

BSX-100

BSX-100 Rear Panel

HDK-73, BSF-300/L

HDK-73 camera head, FA-300/L fiber adaptor, BSF-300/L base station

Affordable 1.5G camera system.
The camera connector is selectable between SMPTE type (FA-300L and
BSF-300L) and opticalCON DUO type (FA-300 and BSF-300).

HDK-73

2.6M Sensors	HDR	Focus Assist	Anti-Moiré Filter
			*option
1.5G 1080i / 720p	F12	S/N 60dB	4.6kg

BSF-300

Size 1,5RU Full	Cable length: 300m (984.25ft)

HDK-73

BSF-300/L

BSF-300L Rear Panel

Accessories

Operation Control Panel	Master Control Panel	Viewfinders

OCP-300   OCP-100

MCP-300

2-inch color viewfinder
VFL201A

7-inch color viewfinder
VFL-P700A

		HDK-99 with FA-97A	HDK-73 with FA-300/L
Image Sensors		2/3-inch 2.6 million pixel 3CMOS	
Optical System		RGB F1.4 Prism	
Sensitivity		F11 (1080/59.94i) / F12 (1080/50i) at 2,000 lx	F12(1080/59.94i) / F13(1080/50i) at 2,000 lx
S/N		62dB HDTV	60dB HDTV
Modulation Depth		60% or more	
Limiting Resolution		1000 TV Line or more	
Dimensions (with FA exclude VF)		W138.5 x H270 x D337 mm (W5.5 x H10.62 x D13.25 inches)	
Weight (with FA exclude VF)		Approx. 4.9 kg (10.8 lbs)	Approx. 4.6 kg (10.1lbs)
Operating Condition	Ambient Temperature	-20°C to +45°C (-4°F to +113°F)	
	Relative Humidity	30% to 90%: Non-condensing	
Filters		ND 1 2 3 4 5 / CAP 100% 25% 6.2% 1.6%	ND 1 2 3 4 / 100% 25% 6.2% 1.6%
		CC/EFF A B C D E / CROSS 3,200K 4,300K 6,300K 8,000K	ECC A B C D / 3,200K 4,300K 6,300K 8,000K
Variable ECC		2,000K to 20,0000K	
Scanning System Format	1080p (59.94/50 Hz)	yes	N/A
	1080i (119.88/100 Hz)	option	N/A
	1080i (59.94/50 Hz)	yes	
	720p (59.94/50 Hz)	yes	
	1080p (29.97/25 Hz)	yes	N/A
	1080p (23.98 Hz)	yes	N/A

		BSX-100	BSF-300/L
Output Signals			
Video Output	12G-SDI	4 ch (Option, with 4K Upscale license & 12G OUT module)	N/A
	3G-SDI	7 ch 3G/HD-SDI	N/A
	HD-SDI	incl. 1ch HD-SDI Video Trunk (Option)	4 ch HD/SD-SDI (Switchable)
	SD-SDI	N/A	
	CVBS	N/A	2 ch
Optional Output Module		MoIP Module, 12G OUT Module (both capable of 4K upscaled output with license)	N/A
MON Video		1 ch 3G/HD-SDI	1 ch HD/SD-SDI (Selectable), 1 ch CVBS 1V p-p 75-ohm
Input Signals			
External Sync Signal		1 ch (Loop Through) Tri-Sync SMPTE274M / BB (CVBS) - auto detect	
Return Video Signal		4 ch 3G*/HD-SDI	2 ch HD/SD-SDI (selectable) 2 ch SD-CVBS
Q-TV Signal		1ch 3G*/HD-SD	1 ch SD-CVBS 1V p-p 75-ohm Single End
PGM (Program Sound)		3 ch	2 ch
Other I/O			
Data Trunk RS-422		2 ch	1ch
Intercom (ENG/PROD)		4-wire or Clearcom or RTS	
Tally In/Out		R/G/Y	R/G
General Specifications			
Dimensions (excluding protrusions)		W 216 x H 124.8 x D 406.9 mm (W 8.5 x H 4.91 x D 16.01 inches)	W 483x H 66.4 x D 405 mm (W 19 x H 2.6 x D 15.9 inches)
Weight		Approx. 7 kg (15.5 lbs)	
Ambient Temperature		Operating temperature: 0°C to +40°C (+32°F to +104°F) Storage temperature: -30°C to +60°C (-22°F to +140°F)	
Relative Humidity		30% to 90% (Non-condensing)	
Maximum Cable Distance (using 9.2 mm diameter SMPTE fiber camera cable)		4,000 m (13,123 ft) with 2-inch viewfinder	300 m (984.25 ft) with 2-inch viewfinder

* 3G-SDI is converted to HD-SDI (1.5G) in the base station to transmit to the camera head.

Design and specifications are subject to change without notice.

$C\epsilon$