

Ikegami

Unicam HD

Multi-format CMOS Camera System

HDK-99 HDK-73



Common features:

Unicam HD

- ▶ Multi-format 3G CMOS Camera System HDK-99
- ▶ Multi-format 1.5G CMOS Camera System HDK-73



Ikegami is a leading supplier of high quality professional broadcast cameras.

More than 38-bit internal Digital Video Processing Technology

Ikegami's advanced imaging and digital processing technology brings out the maximum benefit of high level quantization. It is possible to maximize performance of sensors in combination with various lenses while maintaining rich information volume with high speed processing. Smooth and more natural gradation expression, and vivid and clear coloring are presented.

Dockable Configuration

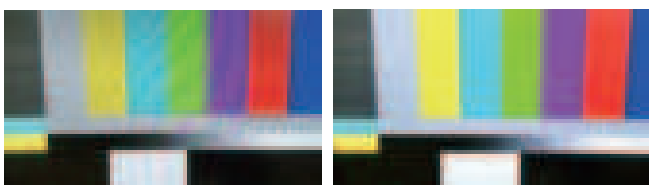
Follows the high operability of the Unicam series for broadcasting Dockable Camera. Docking to fiber adapters according to operation mode is possible for Flexible and economical operations.



Moire Reduction Filter (Factory Option) *

An Anti-Moire Optical Low-Pass Filter can be fitted in the filter wheel to reduce unwanted moire video patterns when shooting a large LED screen, etc.

* If this optional filter is ordered, one of the filters must be replaced.

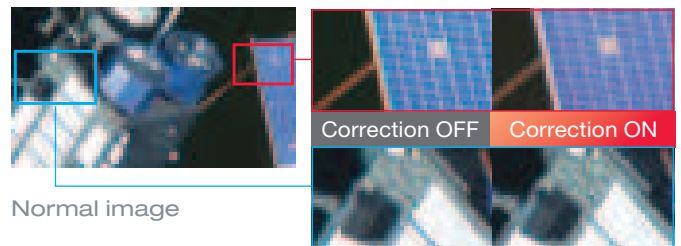


Filter OFF

Filter ON

Lens chromatic aberration correction function

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



Normal image

Variable ECC (Electric Color Compensation)

Variably changeable between 2,000k to 20,000k.

SE-H750 System Expander

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

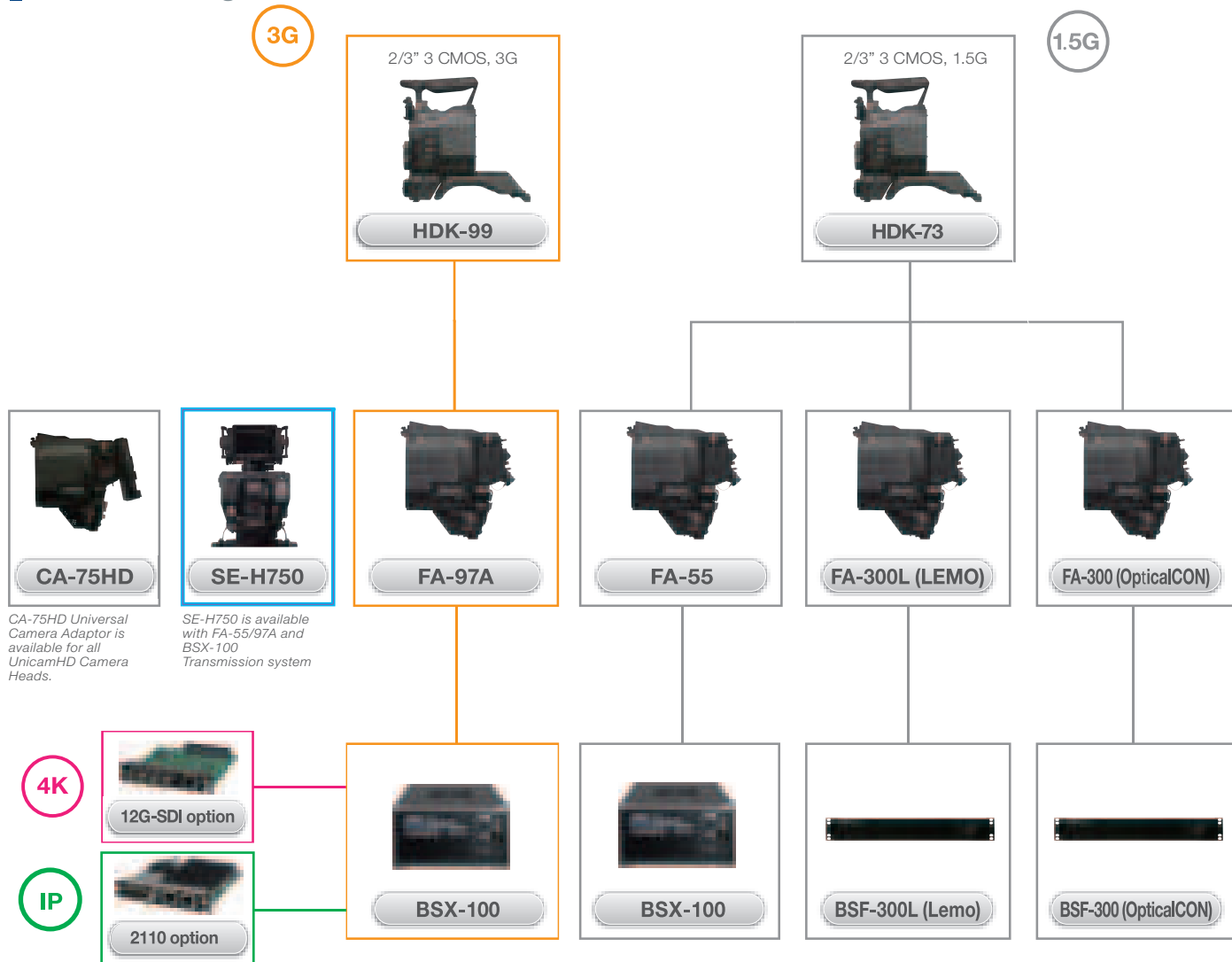


Digital Extender *

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.

* Except HDK-73

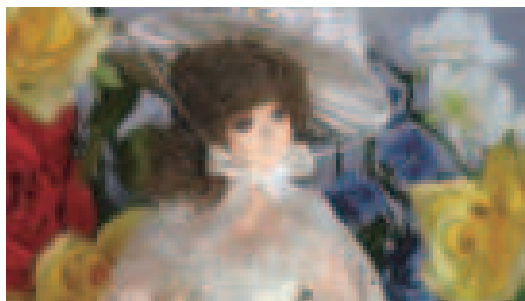
Connection Diagram



Focus Assist Function

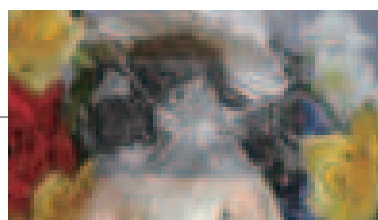
The Quick EZ Focus Assist function is a newly incorporated useful tool, providing very distinct enhancement to the viewfinder signal to enable the camera operator to make critical focus adjustment. The size of area, area color, edge color, and display time on the viewfinder are adjustable in the camera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

Normal Viewfinder Image



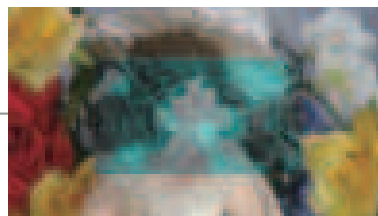
*Serial data communication type lens is required.

trigger



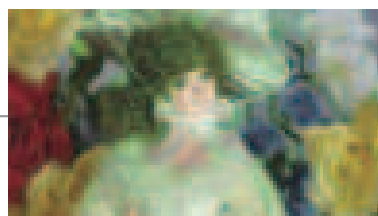
Assist Area (sample setting 1)

Assistant widely, monochrome in the area, image level 60%, edicolor to monochrome, make the edge signal enhanced.



Assist Area (sample setting 2)

Display with edge color (wider assist area, monochrome in area, 60% video level, set to edge color cyan)



Assist Area (sample setting 3)

Assist area, display with image level set to 100% (color in assist area, area size, image level 100%, edge color set to green)

■ 3G 3-CMOS Full Digital HDTV Camera System

HDK-99

2.6 Mega pixel high performance CMOS sensors

4K**HDR**

(with 4K output option and BSX-100)



HDK-99 with SE-H750

Newly Developed High Performance 2.6 Mega pixel 2/3-inch CMOS Sensors

The HDK-99 utilizes 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 F11 (60Hz) / F12 (50Hz), high signal-to-noise ratio and modulation depth.

Multi-format

The camera supports various HDTV formats of 1080p (59.94/50Hz), 1080i (119.88/100Hz), 1080p (29.97/25Hz) and 720p (59.94/50Hz), achieving flexible picture representation.

Supports high-band 3G-SDI (1080p 59.94/50Hz) video output

The camera supports 3G-SDI 1080p (59.94/50Hz) wide-band video output as a standard feature for higher picture quality. The single and dual link output is available with BSX-100 base station supporting 3G-SDI signal.

4K ready

4K

Optional software license key provides 4K output from a 2K source.

HDR (High Dynamic Range)

HDR

The camera provides an HLG (Hybrid Log Gamma) mode, conforming to ITU-R BT.2100 which is an international standard for HDR. It is now possible to expand the range represented from dark to bright, providing superb bright pictures with High Dynamic Range, and also achieves rich colors with wide color gamut. HLG and various kinds of gamma curve can be flexibly set by users.

Next Generation High Speed Video Processor, AXII

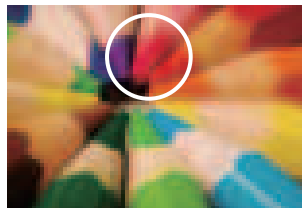
Ikegami has developed a new processing engine, AXII, for our next generation HD, 4K, and 8K cameras. This ASIC can perform high speed processing of super high resolution video signals in various formats and frame rates. The HDK-99 utilizes this new processor, making it possible to deliver high quality, high reliability and low power consumption. The camera is also capable of 16-axis color correction and an improved focus assist function.

2 times slo-motion (1080i 119.88/100Hz)

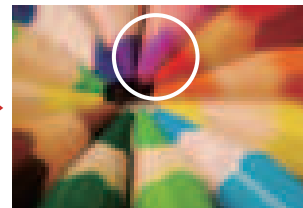
Switchable for live and slo-motion picture with one camera. It is possible to get a slo-motion picture without changing the camera position. (Option)

16-Axis Color Correction

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



Corrected by color correction

Moire Reduction Filter (Factory Option)

An Anti-Moire Optical Low-Pass Filter can be fitted in the filter wheel to reduce unwanted moire video patterns when shooting a large LED screen, etc.

* If this optional filter is ordered, one of the filters must be replaced.

■ 3-CMOS Full Digital HDTV Camera System

HDK-73

2.6 Mega pixel high performance CMOS sensors

HDR



HDK-73

Newly Developed High Performance 2.6 Mega pixel 2/3-inch CMOS Sensors

The HDK-73 utilizes 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.

Native Multi-format

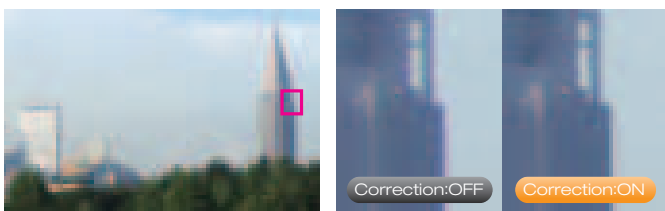
The CMOS sensors support progressive and interlace readout, natively supporting 1080i/59.94 and 1080i/50, as well as 720p/59.94 and 720p/50 HDTV formats.

Advanced Full Digital DSP

This camera is designed from the start base on End-to-End Digital made possible by using CMOS sensors, and includes the benefits of high bit quantization. Especially for the dark areas of the picture, the higher gradation for gamma and other circuits improves the reproduction, providing for more natural color in the shadow areas of the picture. Up to 38-bits are used within the DSP.

Lens chromatic aberration correction function

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



Two HD-SDI Outputs from the Camera Head

Two HD-SDI output signals (1.5G) are selectable between Camera, VF, RET and MON (monitor) for external monitoring at the camera head.

Quick EZ Focus Assist Function

The Quick EZ 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 area, area color, edge color, and display time on the viewfinder are adjustable in the camera menu.



Focus Assist: ON

RET and QTV Channels

The featured base stations for the HDK-73 support four channels of return video (RET), two each for SDI and VBS. The selected channel can be output at the camera as an HD-SDI signal (upconverted if input in SDTV) and used to feed a talent monitor or other purpose. In addition there is a separate prompter channel (QTV) with SDTV input at the base station and SD output at the camera.

Advanced Digital Detail

Both horizontal and vertical Detail Correction circuits for red, green and blue signals are independently and digitally processed. You can obtain the full resolution of a high quality picture with extremely low noise, even under low-light shooting conditions.

Dockable Camera Body

With a docking style camera body, either an FA(Fiber adapter) or CA (Camera adapter) can be mounted without any external cables depending on the use. A new lower profile and lower weight improve the maneuverability for shoulder use.



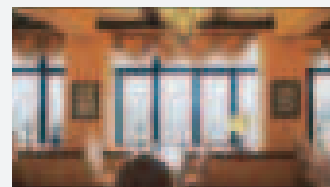
Moire Reduction Filter (Factory Option)

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* If this optional filter is ordered, one of the filters must be replaced.

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 Gamma



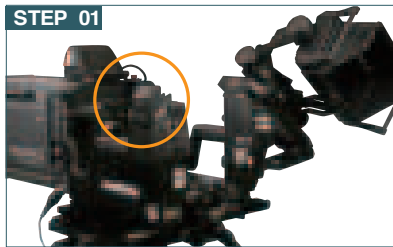
HDR in Hybrid Log Gamma with HDR monitoring

System Expander

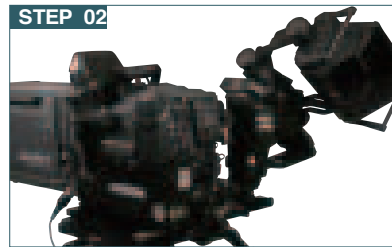
SE-H750

The SE-H750 System Expander enables the use of the large viewfinder and full studio lenses with the HDK-99 & HDK-73, converting the portable camera into a full facility studio camera. Installation of the camera into the SE-H750 is very easy and conversion back to portable configuration is quick for maximum operating flexibility.

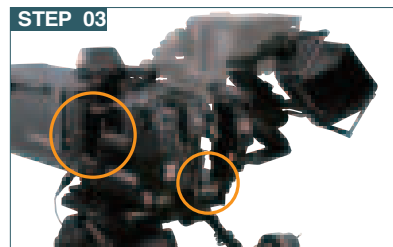
* FA-300/L & BSF-300/L do not support SE-H750 system expander.



Unlock and slide viewfinder



Mount camera



Lock two parts



Completed



Camera Adaptor

CA-75HD

Camera adaptor for Unicam HD series cameras. Attaching this adaptor makes stand-alone operation possible, such as wireless transmission units or ENG-style with portable video recorders.



Rating	
Power Requirement	DC12V 10W max.
Power Consumption	Approx. 10W (max.)
Dimension	160 x 235 x 240 (mm)
Weight	2.0kg
Input signals	
Return	HD-SDI RET in BNC x 1
External sync.	GenLock in BNC x 1 (BB or 3 state SYNC)
Audio	AUDIO IN XLR 3pin x 2
Remote control	Remote 8pin
Output signals	
HDTV	HDSDI out x 2.
Audio	Embedded audio CH 1/2.

Common features :

Unicam HD

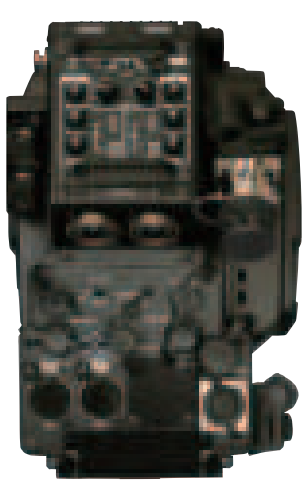
- ▶ 3G Fiber Base Station and Camera Adaptor FA-97A / BSX-100
- ▶ HDTV Fiber Transmission Unit FA-300 / BSF-300

3G Fiber Base Station and Camera Adaptor

FA-97A / BSX-100 Hybrid 2K/4K

4K 4K ready IP ready

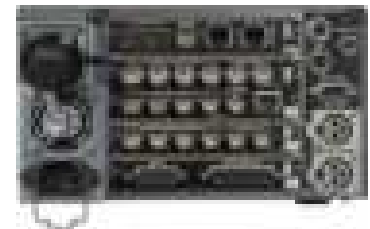
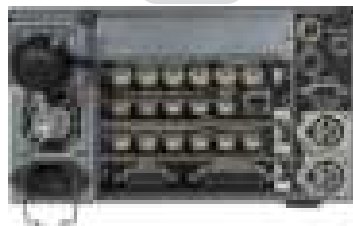
The BSX-100 is a new rack-mountable fiber transmission unit for UnicamHD series cameras. High quality 4K ultra HD and 3G/HD-SDI outputs are supplied simultaneously when connected with a UnicamHD progressive scan camera, such as an HDK-99 or HDK-97A (with FA-97A). It includes so called Super Resolution non-linear processing, a new technology to reconstruct high resolution signals which is not possible in conventional HD processing! The BSX-100 is a half rack size 3RU base station which supports not only Ikegami's conventional one-by-one ICCP remote control, but also Ethernet based network control system, allowing customers to choose right on their needs. The optional 12G-SDI module and the ST-2110 Media over IP card round off the all-round package.



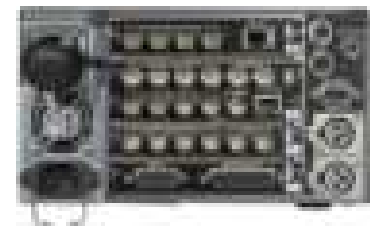
FA-97A



BSX-100



MoIP



12G-SDI

4K Processing

4K Processing

BSX-100 base station can provide 4K signal output while being used with HDK-99 3G-HDTV camera. This option is activated by a software key and enables the output of a 4K signal via 3G-SDI Quad-link. Additionally a 12-G Output Board can be installed to gain another 4 x 12G/3G-SDI outputs. In conjunction with the MoIP board, BSX enables full SMPTE 2110 integration.

3G Transmission System

The fiber transmission system utilizes 3G in both directions, camera head to the base station and back, supporting dual rate formats such as 1080/59.94p, 4:4:4 formats, and 2x high speed slo-motion.

4 Return Video Input

Standard configuration includes 4 inputs for HD RET. Camera operator selects the RET input to be sent to the camera. If required, a Frame Sync function can be selected for the RET video minimizing lock up disturbance (supports only 2 RET SDI input mode).

BSX-100 Configuration

Option	BSX-100	12G	4K	3G/HD	IP
4K license	BSX-100H		○	○	
12G-SDI board	4K license	○	○	○	
MoIP board	BSX-100H			○	○
MoIP board	4K license	○	○	○	○

IP Integration

SMPTE-2110 MoIP

BSX-100 enables the transport of separate video, audio and meta data as independent IP multicast streams via the optional MoIP module. It supports uncompressed IP transmission and reception by 10GbE or 25GbE networks with full redundancy, PTP timing and NMOS support.

HD-SDI QTV

One channel of HD-SDI is sent from CCU to camera head for an external purpose such as a vanity monitor for the talent to see the program video in HDTV. This channel is independent of RET video.

HD-SDI Trunk

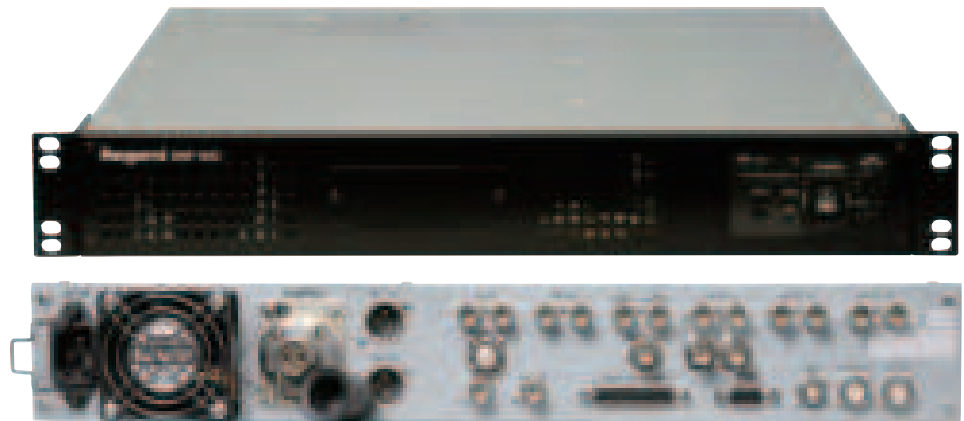
When the camera is operating in a conventional 1.5G format, a second 1.5G video from an external source can be transmitted to the CCU as a video trunk channel. For POV or 3D applications this will reduce the cables which need to be run.

Simulcast Output

Simultaneous output of high quality 4K and 3G-SDI/HD-SDI is available when 4K output option is implemented. BSX-100 features simultaneous conversion to deliver HDR/BT.2020 and SDR/REC.709 signals at the same time, providing superb bright and high dynamic images with rich colors.

HDTV Fiber Transmission Unit

FA-300 / BSF-300



- ▶ Fiber Based Remote System for affordable and flexible integration
- ▶ SMPTE-type: Broadcast standard SMPTE connector (FA-300L, BSF-300L)
- ▶ Neutrik-type: Excellent dust and dirt protection for using OpticalCON DUO connector (FA-300, BSF-300)

FA-300 Fiber Adaptor/ BSF-300 Base Station

The lightweight and compact size (1.5 RU) BSF-300 is easily integrated into any studio, mobile truck, or portable flypack. When you use a hybrid fiber cable, the base station provides power to the fiber adaptor and the camera itself. Maximum length in powered system using hybrid fiber cable is up to 350m (1148ft) with VFL201A. (If VFL-P700, it is 250m (820ft))

PSU-300 Power Supply Extension Unit

It supplies power to the fiber adaptor and camera head via a hybrid cable, and extends the overall cable length to make the system flexible.

* SMPTE connector is not available for PSU-300.

Note: SE-H750 System Expander is NOT applicable to FA-300 due to power limitation.

Operation Control Panel

OCP-300



OCP-300 not only supports Ikegami's conventional serial ICCP control, but also Ethernet Network control systems, allowing full flexibility for a wide range of system integration. It includes color touch screen with rotary encoder operation, SD Memory card file management and control depth configuration for the safe and easy operation. Power over Ethernet PoE+ eliminates the need for external power supplies. Optional camera-select and multi-camera operation licenses turns OCP-300 into a complete Master Control Panel.

Specifications

Power Requirement	DC +12V (+10 to +18V)
Power Consumption	approx. 12W
Cable Length(Max.)	50m(CP cable, ARC connection) 65m(CP cable, Serial connection) 100m(LAN cable(more than CAT5e, Ether connection))
Operating Temperature	0 to 45 °C(+32 to +113 °F)
Storage Temperature	0 to +60 °C(+32 to + 140 °F)
Operating Humidity	30 to 90%(non-condensing)
Dimensions	W102 x H354 x D82.2mm (W4.01 x H13.94 x D3.24 inch)
Weight	approx. 1.44kg(3.17lbs)

Viewfinders



2-inch color viewfinder
VFL201A



7-inch LCD viewfinder
VFL701A



7-inch color viewfinder
VFL-P700
(Europe, Asia model)



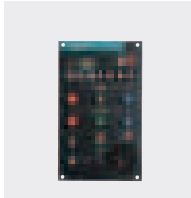
7-inch color viewfinder
VF700WA
(US model)

Camera Select Unit

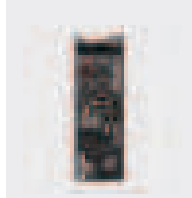


CSU-110 (2U)

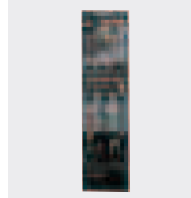
Operation Control Panel / Master Control Panel



RM-51A



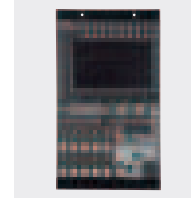
OCP-10



OCP-100



OCP-300



MCP-300

Network Hub



BSH-300 (1.5U)

Virtual Control Panel

VCP

VCP is an application software which provides camera control from a Windows PC (Windows7/Windows10).

Remote operational control for up to 5 system cameras

Up to 5 virtual panels can be displayed on the PC.

User Customization

Functions can be assigned to on/off switches and variable controls on the panel.

Expanded functions by license

There are expandable camera control functions as an option in VCP.

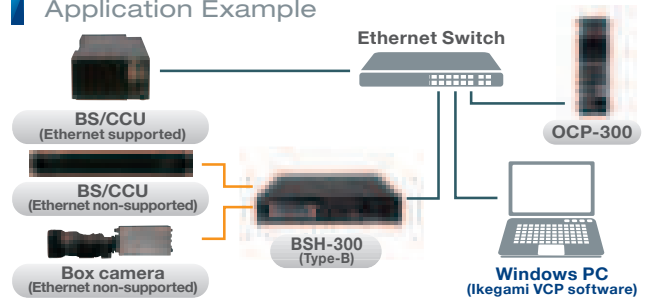
OCP Type
- suitable to add more functions



RM type
- basic GUI



Application Example



Virtual Master Panel

VMP

VMP is an application software which provides camera control, maintenance and centralized management for system cameras from a Windows PC (Windows7/Windows10).

* Supported devices : CCU-430/CCU-980/BS-98/OCP-300/MCP-300

File Management

User can manage camera files on the PC.

Camera Information Monitoring

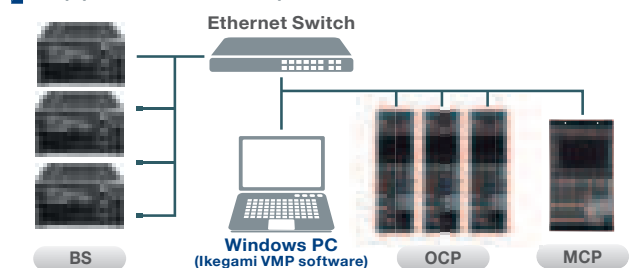
Monitoring of Camera Status, Diagnostics, and Optical Level is available.

Panel Assignment

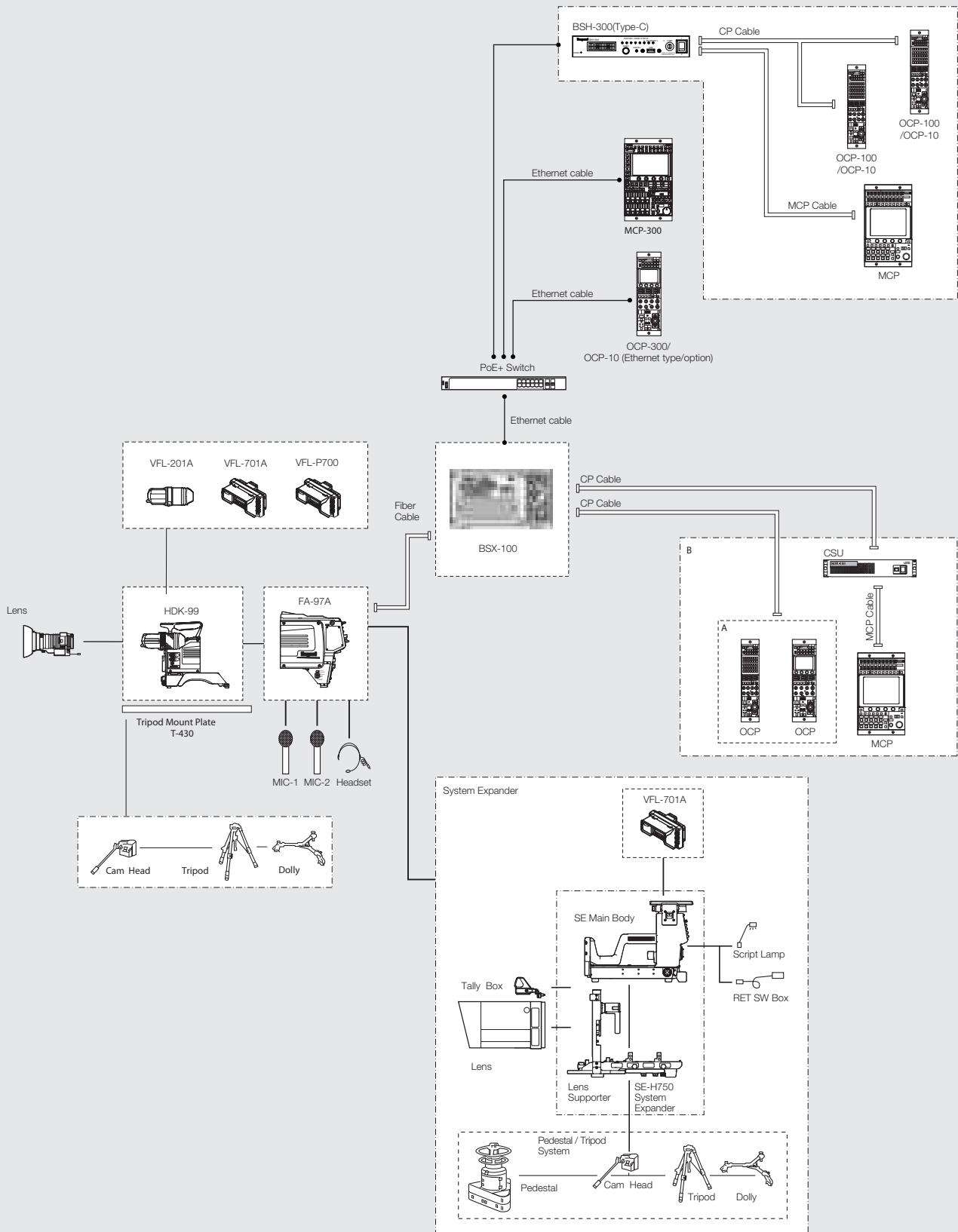
Panel assignment can be easily switched using a matrix table.



Application Example

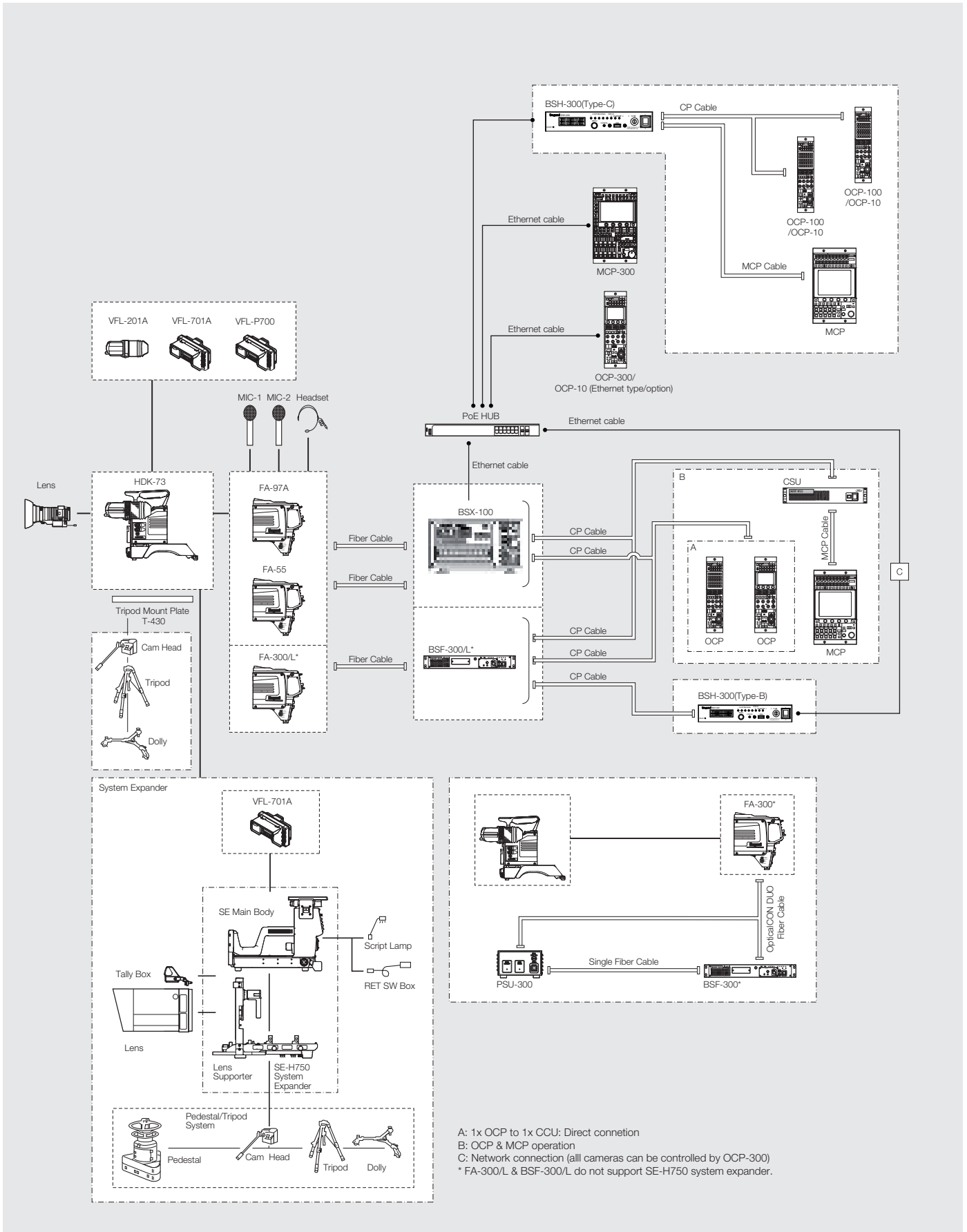


HDK-99 Connection Diagram



A: 1x OCP to 1x CCU: Direct connection
 B: OCP & MCP operation

HDK-73 Connection Diagram



Unicam HD Camera Specifications

		HDK-99	HDK-73
Image Sensors		2/3-inch 2.6 million pixel 3CMOS	
Optical System		RGB F1.4	
Ratings	Sensitivity	F11 (1080/59.94i)/ F12 (1080/50i) at 2,000 lux	F12 (1080/59.94i)/ F13 (1080/50i) at 2,000 lux
	S/N	62 dB HDTV	60 dB HDTV
	Modulation Depth	60% or more	
	Limiting Resolution	1,000 TV lines or more	
Dimensions	With FA Exclude VF	W138.5xH270xD337 mm	
Weight	With FA Exclude VF	4.9 kg (approx.)	4.6 kg (approx.)
Operating Condition	Ambient Temperature	-20°C – +45°C	
	Relative Humidity	30%–90%: Non-condensing	
Operating Voltage	DC input (Into FA)	+11 – +16 V DC	
ND Filter	1	CAP	100%
	2	100%	25%
	3	25%	6.20%
	4	6.20%	1.60%
	5	1.60%	–
CC/Effect Filter	A	CROSS	–
	B	3,200 K	–
	C	4,300 K	–
	D	6,300 K	–
	E	8,000 K	–
Color temperature Filter (ECC)	A	–	3,200 K
	B	–	4,300 K
	C	–	6,300 K
	D	–	8,000 K
	E	–	–
	5600 K	○	–
	Variable	○ (2,000 K–20,000 K)	
	Smooth step ECC	–	○ (0.3 sec–2 sec)
Scanning System Format	1080p (59.94/50 Hz)	○	–
	1080i (119.88/100 Hz)	▲	–
	1080i (59.94/50 Hz) RGB4:4:4	–	–
	1080i (59.94/50 Hz)	○	–
	720p (59.94/50 Hz)	○	–
	1080p (29.97/25 Hz)	○	–
	1080PsF (29.97/25 Hz)	–	–
	1080p (23.98 Hz)	○	–
	1080PsF (23.98 Hz)	–	–
1080pd (23.98 Hz)	–	–	
Gain	-6, +18 dB	○	○
	-3, +3, +6, +9, +12 dB	○	○
Smooth Gain Up	○	○	
Lens Aberration Correction	○	○	
Focus Assist	○	○	
Auto Setup	Full, Level, Quick	○	–
	AWB, ABB	○	○
Custom Gamma	○ (Hybrid Log-Gamma)	○	○
Digital Extender	○ (1.5X, 2X, 3X, 4X)	○	–
SD card slot	○	○	○

○ : standard

▲ : option

Unicam HD BS Specifications

		BSX-100	BSF-300/L
Input Signals			
External Sync Signal		REF: Tri-level SYNC/BBx2 (Loop thru) (HDTV/SDTV auto detect)	BNC type, 1 ch (HDTV/SDTV auto detect) HD: PS(1 Vp-p) or Tri-Sync Signal (0.6 Vp-p±6 dB) 75 ohm bridged SD: VBS (1 Vp-p) or BBS 75 ohm bridged
Return Video Signal	3G/HDTV	3G-SDI/HD-SDI 4 ch (Auto detect) Active Loop through	—
	SDTV	—	VBS 75 ohm Single End, BNC type 2 ch (SDI/VBS selectable)
	HDTV/SDTV	—	75 ohm Single End, BNC type 2 ch (SDI/VBS selectable)
Q-TV Signal	HDTV	HD-SDI 1 ch (Asynchronous Embedded Audio 4 ch)	—
	SDTV	—	VBS 1 Vp-p 75 ohm Single End, BNC type 1 ch
Output Signals			
Main Video Signal	3G/HDTV	3G-SDI/HD-SDI 4 ch	—
	SDTV	—	VBS 1.0 Vp-p 75 ohm BNC type 2 ch
	HDTV/SDTV	—	HD-SDI (SMPTE 292M)/SD-SDI (SMPTE 259M), 75 ohm BNC type 4 ch (HD-SDI/SD-SDI selectable)
	4K	4K optional license 1920x1080 Progressive Square Division 3G/HD-SDI 75 ohm (BNC)x4 12G optional output module 12G/3G/HD-SDI 75 ohm (BNC)x4	—
WFM Signal	HDTV/SDTV	—	Serial Digital 75 ohm BNC type 1 ch (HD-SDI/SD-SDI selectable)
PM Signal	3G/HDTV	3G-SDI/HD-SDI BNC 1 ch 1 output	—
	HDTV/SDTV	—	Serial Digital 75 ohm BNC type 1 ch (HD-SDI/SD-SDI selectable)
	SDTV	—	VBS 1.0 Vp-p 75 ohm BNC type 1 ch
Trunk Signal	HDTV	3G-SDI/HD-SDI BNC 1 ch 1 output	—
Sync Signal	75 ohm Single end analog 1 ch 1 output HDTV: Tri-Sync (0.6 Vp-p) /SDTV: HV (2 Vp-p) (Select by menu)		
Mic	0 dBs/+4dBs Low output 2 ch 2 outputs		0 dBs/+4 dBs Low 2 ch
Digital Audio	AES/EBU Digital BNC 1 ch 1 output 48 KHz Sampling, 24 bit Pro, 2 ch pair (AES3 compliant)		—
Communication/Control Signal			
Intercom	ENG/PROD (2 ch)	4-Wire or Clearcom or RTS	
	4-wire	0 dBm 600 ohm 2 ch	
	Clearcom	-15 dBs 200 ohm 2 ch	
	RTS	0 dBm 200 ohm 2 ch	
Program Sound Input	0 dBs 600 ohm/10k ohm switchable 3 ch	0 dBs standard 600 ohm/10k ohm 2 ch -20 dBs/0 dB/+4 dBs selectable	
Tally	Input	R/G/Y 3 ch Contact (MAKE) / Power (POWER) selectable	Contact R/G
	Output	R/G/Y 3 ch OPEN (OFF) /GND (ON) 50 mA (max)	R/G 2 ch OPEN (OFF) / GND (ON) 50 mA (max)
Remote control	Arcnet BNC	—	—
	Ethernet RJ-45	RJ-45 1 ch	—
	OCP CP Connector	ICCP 1 ch	—
	MCP CP Connector	—	ICCP 1 ch
Data Trunk (Option for camera side)	Data Trunk 1/Data Trunk 2 RS-422 2 ch		RS-422 1 ch
General			
Operating Voltage	AC100 to 240V ±10%		
Power Consumption	Approx. 90VA (BS only) 160 VA or less (incl power for camera with cable loss)		Approx. 55 VA (BSF-300 only)
Ambient Temperature	Operating temperature 0°C – +45°C Storage temperature -30°C – +60°C		Operating temperature 0°C – +40°C Storage temperature -30°C – +60°C
Relative Humidity	30% – 90% (Non-condensing)		
Dimensions	W216xH123.6xD407.2 (excluding protrusions)		W483xH66.4xD405 mm
Weight	8 kg (Approx.)		7 kg (Approx.)

Unicam HD FA Specifications

	FA-97A	FA-55	FA-300/L
Input Signals			
External Sync Signal	Sync. 0.6 Vp-p ± 6 dB 75 ohm BNC 1 ch		
Audio Signal	-60 dB +4 dB (Variable) / -20 dB (Fixed) XLR 2 ch (600 ohm balanced)		
Intercam Signal	XLR Type or 110 Type 2 ch		
Trunk Signal HDTV	HD-SDI BNC 1 ch (Option) (1.5G format only)		—
Output Signals			
3G-SDI/HD-SDI Signal	3G-SDI/HD-SDI BNC 1 ch		HD-SDI BNC 1 ch
Analog Video Signal	G, B, R 0-Sub SE 1 ch (For System Expander)	G, B, R D-Sub SE 1 ch (For System Expander) HD Y or VBS output (MON Out Terminal) VBS Output (AUX OUT Terminal) (Select by menu)	HD Y or VBS output VBS Output (AUX OUT Terminal)
Q-TV Signal HDTV	HD-SDI BNC 1 ch		—
Q-TV Signal SDTV	—		VBS 1 ch (AUX OUT: Select by menu)
Monitor Output	HD-SDI VF/RET/ MON/HD-QTV (Select by menu) BNC 1 ch	MAIN VF/RET/HD-SDI (Select by menu) BNC 1 ch, RET video HD SDI 4:1:1	MAIN VF/RET/HD-SDI (Select by menu) BNC 1 ch, RET video HD SDI
DC Output		+12 VDC 500 mA (max), 4-pin type 1 ch	

Unicam HD BS Specifications

		BSX-100	BSF-300/L
Scanning System	1080p (59.94/50 Hz)	0	—
	1080i (119.88/100 Hz)	Optional	—
	1080i (59.94/50 Hz) RGB 4:4:4	0	—
	1080i (59.94/50 Hz)	0	
	720p (59.94/50 Hz)	0	
	1080p (29.97/25 Hz)	Optional	—
	1080PsF (29.97/25 Hz)	Optional	—
	1080p (23.98 Hz)	Optional	—
	1080PsF (23.98 Hz)	Optional	—
	1080pd (23.98 Hz)	Optional	—
	2160p (59.94/50 Hz)	Optional	—
	2160p (29.97/25 Hz)	Optional	—
Max. Cable Distance		2,000 m	350 m (with 2" viewfinder) 250 m (with 7" viewfinder)

Unicam HD

Design and specifications are subject to change without notice.



U402C195-IB1.25

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