## lkegami

# Unicam HD

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EP

### Top of the line

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Ikegami

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16-bit Full Digital 3G HDTV Camera System

# HDK-970A/970AP

16-bit Full Digital 3G HDTV Portable Camera System

oigipower 27

HD

HDK-97A/97AP

### The highest picture quality, functionality and reliability with Ikegami's superb and latest camera technology

### • High-band 3G HDTV-SDI video output

- 2 times slo-motion
- 4K Upscaling Processer
- Native support for 23.98p formats (HDK-970AP/HDK-97AP)
- Custom gamma
- 16-bit full digital

### High-band 3G-SDI(1080p59.94/50Hz) 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 BS-98/CCU-980 camera control unit/base station supporting 3G-SDI signal.

### 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 picrure without changing the camera positon. (Option)

### 4K Upscaling Processer (factory option)

### Native support for 23.98P

The camera supports not only 23.98Psf, but also 23.98P in native (HDK-970AP/HDK-97AP)

### Custom gamma

Various kinds of gamma curve can be flexibly set by users.

### Newly developed 2.3 Mega pixel progressive sensors

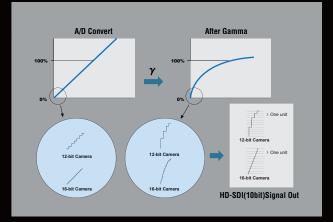
New 2/3-inch 2.3 Mega pixel 1080 progressive CCDs are employed to support not only the usual 1080i 59.94/50Hz 4:2:2, 720p 59.94/50Hz 4:2:2, 1.5G formats, but also 3G formats such as 1080p 59.94/50Hz 4:2:2 and 1080i 59.94/50Hz 4:4:4. Futhermore, 1080i (119.88/100Hz), 1080p (29.97/25Hz) are available as an option.

The HDK-970AP/HDK-97AP adds support for the 1080p (23.98Hz) format.

### Newly developed FPGA

Using mass memory type FPGA, 45um design rule, the video signals are digitized with 16-bit A/D conversion

to achieve the highest possible picture quality.



#### Multi-format

The camera supports various HDTV formats of 1080p (59.94/50Hz), 1080i (59.94/50Hz 4:2:2, 4:4:4), 1080i (119.88/100Hz), 1080p (29.97/25Hz) and 720p (59.94/50Hz), achieving flexible picture representation. \* 1080i (119.88/100Hz), 1080p (29.97/25Hz) are option.

Futhermore, 23.98P format is also available with the model HDK-970AP/ HDK-97AP.

### 16-bit full digital

Integrating Ikegami's advanced picture processing technology and digital processing technology maximizes the effect of 16-bit A/D conversion, increasing gradation in dark areas where the processing is perfromed for more natual reproduction of dark colors.

### Two HD-SDI outputs from the camera head

Two HD-SDI output signals (1.5G) are selectable among Camera, VF, RET and MON (monitor) for external monitoring at the camera head. \* HD QTV is added to the line up of selectable HD SDI signals when the optional HD QTV (Video Trunk) module is installed in the CCU.

### 2 Channels QTV

Two channels of QTV output (VBS) are available as a factory option for prompter and external monitoring purposes.

\* 2 channel QTV is option and not available operating at 720p/50Hz.

### **HD SDI Trunk**

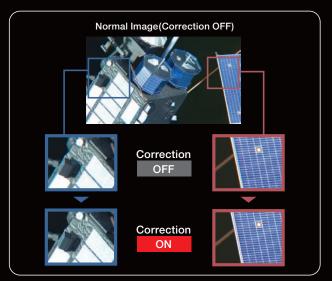
When the camera is operating in a conventional 1.5G format, a second 1.5G video from an external source can be transmitted to the CCU as a video trunk channel. For POV or 3D applications this will reduce the cables which need to be run. (factory option)

### Docking style camera body

With a docking style camera body, either an FA (Fiber Adaptor) or TA (Triax Adaptor) can be mounted depending on the use.

### Lens Aberration Correction function

The Lens Aberration Correction function is newly incorporated for minimizing the blur and colored edges caused mainly by lens chromatic aberration.



## Unicam HD

HDK-970A/AP HDK-97A/AP Accessories

**3**G capable fiber adaptor **FA-97** 



### High Band 3G Transmission

3G-SDI transmission is available between camera head and CCU/BS.

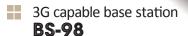
### Simulcast

Using a down converter and up converter incorporated in the BS-98/CCU-980, both HDTV and SDTV signals are provided simultaneously from the CCU/BS. And the CCU/BS offers not only the usual 1080i 59.94/50Hz 4:2:2 1.5G signal outputs, but also 3G outputs like 1080p 59.94/50Hz 4:2:2 and 1080i 59.94/50Hz 4:4:4.

### **RET/QTV Video**

The CCU/BS accepts 4 channels of return video input as standard. The return input signals can be either 3G-SDI or HD-SDI. QTV signals can be transmitted to the camera with not only the usual analog composite, but also HD-SDI (Option for CCU only).

\* The return input signal can only be HDTV when this option is installed.





### 3G capable camera control unit CCU-980



#### Frame Synchronizer for RET video

The return signal can be synchronized by a frame sync circuit, supporting non-sync return sources.

\* The RET input signal quantity is fixed to 2 channels when the frame synchronizer is applied. \* VBS return signal can not be synchronized.

### **Downward Compatibility**

The CCU/BS are compatible with existing Ikegami HDK-79EX series cameras in 1.5G mode.

#### Embedded audio available as standard

All SDI outputs can be embedded with the audio signals of MIC-1 and MIC-2. Each channel has variable adjustment for delay time and independent On/Off switching for embedded audio.

### **Ethernet Port available**

Ethernet ports are available on BS-98, CCU-980, BSH-300, OCP-300 and OCP-10.

### Sophisticated System Accessories, Expanding HDTV

#### SE-H750 System Expander

The SE-H750 System Expander enables the use of the 9-inch viewfinder and full studio lenses with the HDK-97A/AP,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.

### Variety of viewfinders

For the HDK-97A/AP, a 2-inch 16:9 high definition LCD color viewfinder for portable application is available. In addition, a 7.4-inch OLED and a 9-inch LCD color studio viewfinders are available as options.



2-inch LCD



9-inch LCD



### VFE740HD 7.4-inch OLED Color Viewfinder

The VFE740HD is an OLED Color Viewfinder, employing a 7.4-inch QHD OLED panel, achieving high resolution, high brightness, high contrast and wide viewing angle. Its true color reproduction and high quality gradation provide optimum monitoring in the full range of uses. Especially its fast response achieves superb fast motion images for

shooting sports, etc.



## Unicam HD

**Ratings and Performances** 

### HDK-970A/AP HDK-97A/AP

Scanning System	1080p	(59.94Hz or	50Hz) Y.Pb.Pi	4:2:2 Progre	essive		
,	Scanning System 1080p (59.94Hz or 50Hz) Y,Pb,Pr 4:2:2 Progressive (above SMPTE425 Level B)						
	· · · · · · · · · · · · · · · · · · ·						
	1080i (59.94Hz or 50Hz) Y,Pb,Pr 4:2:2 Interlaced						
	1080i (59.94Hz or 50Hz) RGB 4:4:4 Interlaced						
	1080i (119.88Hz or 100Hz) Y,Pb,Pr 4:2:2 Interlaced (Option)						
	1080p (29.97Hz or 25Hz) Y,Pb,Pr 4:2:2 Progressive (Option)						
	720p (59.94Hz or 50Hz) Y,Pb,Pr 4:2:2 Progressive						
	1080p (23.98Hz) RGB 4:4:4 Progressive (Supported by						
	HDK-97	HDK-970AP/HDK-97AP)					
	1080p	(23.98Hz) Y,I	Pb,Pr 4:2:2 Pr	ogressive (Su	upported by		
		OAP/HDK-9		0 (	,		
			,Pr 4:2:2 Inte	rlacod			
			4:2:2 Interlac				
Image Sensors	2/3-inc	h 2.3 million	pixel Progres	sive CCD Ser	nsors		
Optical System	2/3-inc	h, 3CCD, f1.4	1				
Lens Mount	BTA- S	1005B (B4)					
Filter		1	2	3	4	5	
	ND	-					
	ND	CAP	100%	25%	6.2%	1.6%	
		A	В	С	D	E	
	CC	CROSS	3200K	4300K	6300K	8000K	
Sensitivity	F10 (10	80/59.94i\/I	11(1080/50	) at 2000 lx			
S/N	62dB (1		,,	,			
	0200 (1	1 pical)					
Limiting Resolution	4055	4 P					
HDTV System	1000T\	/ lines					
Detail Correction							
Vertical	5 lines						
Horizontal		requency: 1	3MHz to 24N	1Hz (HDTV)			
Gamma		35, 0.4, 0.45					
				0.10			
Gain	-3dB, 0	aB, +3aB, +t	6dB, +9dB, +1	208			
Power Consumption							
<ul> <li>HDK-970A</li> </ul>	Power	is fed by CC	U or BS				
• HDK-97A	Camera	Head: 35W	(in 1080i/59	.94) 2-inch V	F: 6W		
Electronic Color Temperature	5600K		(,				
		45%					
Ambient Temperature		o +45°C					
Relative Humidity	30% to	90% (Non-c	ondensing)				
Operating Voltage	30% to	90% (Non-c	ondensing)				
	1		ondensing) 20/240V ±10	%			
Operating Voltage	1	/110/117/22		%			
Operating Voltage  HDK-970A  HDK-97A	AC100,	/110/117/22		%			
Operating Voltage • HDK-970A • HDK-97A Weight	AC100, DC+11	/110/117/22 to 16V	20/240V ±10				
Operating Voltage HDK-970A HDK-97A Weight HDK-97A	AC100, DC+11 approx	/110/117/22 to 16V . 24kg (52.9I	20/240V ±109	g lens)			
Operating Voltage HDK-970A HDK-97A Weight HDK-970A HDK-970A HDK-97A	AC100, DC+11 approx	/110/117/22 to 16V . 24kg (52.9I	20/240V ±10	g lens)			
Operating Voltage HDK-970A HDK-97A Weight HDK-97A	AC100, DC+11 approx	/110/117/22 to 16V . 24kg (52.9I	20/240V ±109	g lens)			
Operating Voltage HDK-970A HDK-97A Weight HDK-970A HDK-970A HDK-97A	AC100, DC+11 approx approx	/110/117/22 to 16V . 24kg (52.91 . 4.5kg (9.91b	20/240V ±109	g lens) 4)	D20.37 inch	ies)	
Operating Voltage HDK-970A HDK-97A Weight HDK-97A HDK-97A HDK-97A Dimensions HDK-970A	AC100, DC+11 approx approx W315 x	/110/117/22 to 16V . 24kg (52.91 . 4.5kg (9.91k x H462 x D5:	20/240V ±109 bs) (excluding bs) (Head + F/ 17mm(W12.3	g lens) A) 7 x H18.25 x			
Operating Voltage • HDK-970A • HDK-97A Weight • HDK-970A • HDK-97A Dimensions • HDK-97A • HDK-97A	AC100, DC+11 approx approx W315 x	/110/117/22 to 16V . 24kg (52.91 . 4.5kg (9.91k x H462 x D5:	bs) (excluding) (Head + F/	g lens) A) 7 x H18.25 x			
Operating Voltage • HDK-970A • HDK-97A Weight • HDK-970A • HDK-97A Dimensions • HDK-970A • HDK-97A Input Signals	AC100, DC+11 approx approx W315 ) W138.5	/110/117/22 to 16V . 24kg (52.9) . 4.5kg (9.9)t < H462 x D5: 5 x H270 x D	20/240V ±10 bs) (excludinį is) (Head + F/ 17mm(W12.3 337mm(W5.	g lens) A) 7 x H18.25 x 5 x H10.62 x	D13.25 inche		
Operating Voltage HDK-970A HDK-97A Weight HDK-97A Dimensions HDK-97A IDimensions HDK-970A HDK-97A Enput Signals External Sync Signal	AC100, DC+11 approx approx W315 ) W138.5 SYNC 0	/110/117/22 to 16V . 24kg (52.9l . 4.5kg (9.9lt < H462 x D5 5 x H270 x D .6Vp-p ±6dE	20/240V ±10 bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 375ohm BNC	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/	D13.25 inche PS Signal)	es)	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Uhdeset         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal	AC100, DC+11 approx approx W315 ) W138.5 SYNC 0 -60dB t	/110/117/22 to 16V . 24kg (52.9l . 4.5kg (9.9lt k H462 x D5 5 x H270 x D .6Vp-p ±6dE .0 +4dB (Var	20/240V ±10 bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 3750hm BNC iable) / -20di	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/	D13.25 inche PS Signal)		
Operating Voltage HDK-970A HDK-97A Weight HDK-97A Dimensions HDK-97A IDimensions HDK-970A HDK-97A Enput Signals External Sync Signal	AC100, DC+11 approx approx W315 ) W138.5 SYNC 0 -60dB t	/110/117/22 to 16V . 24kg (52.9l . 4.5kg (9.9lt < H462 x D5 5 x H270 x D .6Vp-p ±6dE	20/240V ±10 bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 3750hm BNC iable) / -20di	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/	D13.25 inche PS Signal)	es)	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Uhdeset         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal	AC100, DC+11 approx approx W315 ) W138.5 SYNC 0 -60dB t	/110/117/22 to 16V . 24kg (52.9l . 4.5kg (9.9lt k H462 x D5 5 x H270 x D .6Vp-p ±6dE .0 +4dB (Var	20/240V ±10 bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 3750hm BNC iable) / -20di	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/	D13.25 inche PS Signal)	es)	
Operating Voltage HDK-970A HDK-97A Weight HDK-97A Dimensions HDK-97A Dimensions HDK-97A Input Signals External Sync Signal Audio Signal Intercom Signal Output Signals	AC100, DC+11 approx approx W315 > W138.5 SYNC 0 -60dB t XLR Ty	/110/117/22 to 16V . 24kg (52.9  . 4.5kg (9.9 k < H462 x D5: 5 x H270 x D .6Vp-p ±6dE (Var pe or 110 Ty	20/240V ±109 bs) (excludinį is) (Head + F/ 17mm(W12.3 337mm(W5.3 337mm(W5.3 3750hm BNC iable) / -20di iable) / -20di	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR	D13.25 inche PS Signal) CN 2ch (600	es)	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Output Signals         Analog Signal	AC100, DC+11 approx approx W315 5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D	/110/117/22 to 16V 24kg (52.9) 4.5kg (9.9)t (H462 x D5: 5 x H270 x D .6Vp-p ±6dE 0 +4dB (Var pe or 110 Ty -Sub SE CN	10/240V ±10 bs) (excludini bs) (Head + F/ 17mm(W12.3 337mm(W5.))))))))))))))))))))))))))))))))))))	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR	D13.25 inche PS Signal) CN 2ch (600	es)	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Output Signals         Analog Signal         3G-SDI/HD SDI Signal	AC100, DC+11 approx approx W315 > W138.5 SYNC 0 -60dB t XLR Typ R,G,B D Serial D	/110/117/22 to 16V 24kg (52.9) 4.5kg (9.9)t 4.5kg (9.9)t 4.5kg (9.9)t 6Vp-p ±6dE 0 +4dB (Var 0 e or 110 Ty 3-Sub SE CN igital 75 ohr	0/240V ±10 bs) (excludin bs) (Head + F/ 17mm(W12.3 337mm(W5. 337mm(W5. 175ohm BNC iable) / -20di pe CN 2ch 1ch (for Syste n BNC 1ch	g lens) A) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander	D13.25 inche PS Signal) CN 2ch (60C	es) 0 ohm Balanced) for HDK-97A only.	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Analog Signal         Analog Signal         Agently Analog Signal         Q-TV Signal	AC100, DC+11 approx approx W315 5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D Serial D Serial D 75 ohm	/110/117/22 to 16V .24kg (52.9] .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .5 x H270 x D .6Vp-p ±6dE to +4dB (Var pe or 110 Ty -Sub SE CN .igital 75 ohr .VBS 2ch (2)	0/240V ±10 <sup>s</sup> bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 175ohm BNC 161be) / - 20db iabe) / - 20db) / -	( lens) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and	D13.25 inche PS Signal) CN 2ch (600 ) *Available 1ch only in 7	es) D ohm Balanced) for HDK-97A only. 720p/50Hz)	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Output Signals         Analog Signal         3G-SDI/HD SDI Signal	AC100, DC+11 approx approx W315 5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D Serial D Serial D 75 ohm	/110/117/22 to 16V .24kg (52.9] .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .5 x H270 x D .6Vp-p ±6dE to +4dB (Var pe or 110 Ty -Sub SE CN .igital 75 ohr .VBS 2ch (2)	0/240V ±10 bs) (excludin bs) (Head + F/ 17mm(W12.3 337mm(W5. 337mm(W5. 175ohm BNC iable) / -20di pe CN 2ch 1ch (for Syste n BNC 1ch	( lens) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and	D13.25 inche PS Signal) CN 2ch (600 ) *Available 1ch only in 7	es) D ohm Balanced) for HDK-97A only. 720p/50Hz)	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Analog Signal         Analog Signal         Agently Analog Signal         Q-TV Signal	AC100, DC+11 approx approx W315 5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D Serial D Serial D 75 ohm	/110/117/22 to 16V .24kg (52.9] .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .4.5kg (9.9)L .5 x H270 x D .6Vp-p ±6dE to +4dB (Var pe or 110 Ty -Sub SE CN .igital 75 ohr .VBS 2ch (2)	0/240V ±10 <sup>s</sup> bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 175ohm BNC 161be) / - 20db iabe) / - 20db) / -	( lens) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and	D13.25 inche PS Signal) CN 2ch (600 ) *Available 1ch only in 7	es) D ohm Balanced) for HDK-97A only. 720p/50Hz)	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Analog Signal         Analog Signal         Agently Analog Signal         Q-TV Signal	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR	/110/117/22 to 16V 24kg (52.9) 4.5kg (9.9)t (H462 x D53 5 x H270 x D 6VP0 x D 6VP0 x D 6VP0 x D 6VP0 x D 6VP0 x D 10 T y VB3 2ch (2) T / MON (M	0/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.: 337mm(W5.: 337mm(W5.: 1750nm BNC iable) / -20di pe CN 2ch 1ch (for Syste n BNC 1ch nd channel is IENU Selectic	g lens) ) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi	D13.25 inche PS Signal) CN 2ch (600 ) *Available 1ch only in 7 tal 75 ohm E	es) 0 ohm Balanced) for HDK-97A only. r20p/50Hz) NNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Analog Signal         Analog Signal         Agently Analog Signal         Q-TV Signal	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D Serial D 75 ohm VF / RE OR VF / RE	/110/117/22 to 16V 24kg (52.9i 4.5kg (9.9lk 4.45kg (9.9lk 4.45kg (9.9lk 4.462 x D5: 5 x H270 x D .6Vp-p ±6dB to ±4dB (Var pe or 110 Ty -Sub SE CN igital 75 ohr v VBS 2ch (2 T / MON (N T / MON / F	0/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.: 337mm(W5.: 337mm(W5.: 1750nm BNC iable) / -20di pe CN 2ch 1ch (for Syste n BNC 1ch nd channel is IENU Selectic	g lens) ) 7 x H18.25 x 5 x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi	D13.25 inche PS Signal) CN 2ch (600 ) *Available 1ch only in 7 tal 75 ohm E	es) D ohm Balanced) for HDK-97A only. 720p/50Hz)	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)	AC100, DC+11 approx approx W135.5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D Serial D 75 ohm VF / RE OR VF / RE (Factor	/110/117/22 to 16V 24kg (52.91 4.5kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91kg 5.5kg (9.91kg (9.91	0/240V ±10 <sup>s</sup> bs) (excludint bs) (Head + F/ 17mm(W12.3 337mm(W5. 175ohm BNC iabe) / - 20df pe CN 2ch 1ch (for Systt n BNC 1ch m BNC 1ch m BNC 1ch m Channel is IENU Selectic dD-QTV (MEP	g lens) A) 7 x H18.25 x x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi NU Selection)	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Goutput Signals         Analog Signal         GG-SDI/HD SDI Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR VF / RE OR VF / RE OB 4	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5; 5 x H270 x D .6Vp-p ±6dE to +4dB (Var pe or 110 Ty P-Sub SE CN ligital 75 ohr V VB5 2ch (2) T / MON (M T / MON / H y Option) ch (ENG/PR	0/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.: 337mm(W5.: 337mm(W5.: 1750nm BNC iable) / -20di pe CN 2ch 1ch (for Syste n BNC 1ch nd channel is IENU Selectic	g lens) A) 7 x H18.25 x x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi NU Selection)	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR VF / RE OR VF / RE OB 4	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5; 5 x H270 x D .6Vp-p ±6dE 0 x 44B (Var pe or 110 Ty P-Sub SE CN ligital 75 ohr VBS 2ch (2) T / MON (M T / MON / H y Option) ch (ENG/PR	0/240V ±10 <sup>s</sup> bs) (excludint bs) (Head + F/ 17mm(W12.3 337mm(W5. 175ohm BNC iabe) / - 20df pe CN 2ch 1ch (for Systt n BNC 1ch m BNC 1ch m BNC 1ch m Channel is IENU Selectic dD-QTV (MEP	g lens) A) 7 x H18.25 x x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi NU Selection)	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Goutput Signals         Analog Signal         GG-SDI/HD SDI Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR VF / RE OR VF / RE OB 4	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9lt (H462 x D5: 5 x H270 x D 6Vp-p ±6dB to +4dB (Var pe or 110 Ty -Sub SE CN higital 75 ohr v V85 2ch (2 T / MON ( K T / MON / H y Option) ch (ENG/PR S Output)	0/240V ±10 <sup>s</sup> bs) (excludint bs) (Head + F/ 17mm(W12.3 337mm(W5. 175ohm BNC iabe) / - 20df pe CN 2ch 1ch (for Systt n BNC 1ch m BNC 1ch m BNC 1ch m Channel is IENU Selectic dD-QTV (MEP	g lens) A) 7 x H18.25 x x H10.62 x CN 1ch (BB/ 3 (Fixed) XLR em Expander option, and n) Serial Digi NU Selection)	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         HDK-97A         HDK-97A         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Goutput Signals         Analog Signal         Gutput Signal         Gutput Signals         Analog Signal         Gutput S	AC100, DC+11 approx approx W135 5 W138.5 SYNC 0 -60dB t XLR Tyr R,G,B E Serial D Serial D Serial D Serial C Serial C VF / RE OR VF / RE OR VF / RE COU • B Below	/110/117/22 to 16V 24kg (52.91 4.5kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.462 x D5: 5 x H270 x D 6.6Vp-p ±6dE to ±4dB (Var pe or 110 Ty -Sub SE CN igital 75 ohr v VBS 2ch (2 T / MON (M T / MON / H y Option) ch (ENG/PRI 5 Output) 50Hz	20/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 337mm(W5.3 10 (for Syste n BNC 1ch dc hannel is IENU Selectic IENU Selectic ID/PGM1/PG	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         HDK-97A         HDK-97A         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Goutput Signals         Analog Signal         Gutput Signal         Gutput Signals         Analog Signal         Gutput S	AC100, DC+11 approx approx w315 b W138.5 W138.5 SYNC 0 -60B t XLR Tyl R,G,B D Serial D Serial D Serial D F / RE (Factor 0 dBs 4 c(CCU • B Below ( 60Hz tc	/110/117/22 to 16V 24kg (52.91 4.5kg (9.91k 4.5kg (9.91k 4.5kg (9.91k 4.45kg (9.91k 4.5kg (9.91k 6.45kg (9.91kg 5.5 x H270 x D 5.5 x H270 x D	20/240V ±10' bs) (excludinț bs) (Head + F/ 17mm(W12.3 337mm(W5. 337mm(W5. 175ohm BNC 16h (for Systen 16h (for Systen)16h (for	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signals (4:2:2)	AC100, DC+11 approx approx W315 J W138.5 W138.5 SYNC 0 -60dB t Serial D 75 ohm VF / RE OR VF / RE OR VF / RE OBS 4 (CCU • B Below 1 60Hz tc OVer 30	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (1462 x D5; 5 x H270 x D .6Vp-p ±6dE 5 x H270 x D .6Vp-p ±6dE 0 x 44B (Var pe or 110 Ty -Sub SE CN ligital 75 ohr VBS 2ch (2) T / MON (k T / MON / H y Option) ch (ENG/PRI S Output) 50Hz 3 30MHz	20/240V ±10 <sup>s</sup> bs) (excludinį bs) (Head + F/ 17mm(W12.3 337mm(W5. 337mm(W5. 375ohm BNC 1337mm(W5. 375ohm BNC 1337mm(W5. 375ohm BNC 140 (for Syste n BNC 14h n BNC 14h n BNC 14h n BNC 14h n BNC 14h n BNC 14h 14b (Jor Syste n BNC 14h 14b (Jor Syste 14b (Jor S	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-97A         Weight         HDK-97A         HDK-97A         HDK-97A         HDK-97A         Input Signals         External Sync Signal         Audio Signal         Intercom Signal         Goutput Signals         Analog Signal         Gutput Signal         Gutput Signals         Analog Signal         Gutput S	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyr R,G,B D Serial D 75 ohm VF / RE OR VF / RE VF / RE OR VF / RE VF / RE OR VF / RE VF / RE OR VF / RE OR VF / RE VF / RE OR VF / RE OR V OR VF / RE OR VF / RE VF / RE OR	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5: 5 x H270 x D (H462 x D5: 5 x H270 x D (H2 x D) (H2 x D	20/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.3 337mm(W5.3)) 337mm(W5.3 337mm(W5.3 337mm(W5.3))	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signals (4:2:2)	AC100, DC+11 approx approx W315 J W138.5 SYNC 0 -60dB t XLR Tyr R,G,B D Serial D 75 ohm VF / RE OR VF / RE VF / RE OR VF / RE VF / RE OR VF / RE VF / RE OR VF / RE OR VF / RE VF / RE OR VF / RE OR V OR VF / RE OR VF / RE VF / RE OR	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (1462 x D5; 5 x H270 x D .6Vp-p ±6dE 5 x H270 x D .6Vp-p ±6dE 0 x 44B (Var pe or 110 Ty -Sub SE CN ligital 75 ohr VBS 2ch (2) T / MON (k T / MON / H y Option) ch (ENG/PRI S Output) 50Hz 3 30MHz	20/240V ±10' bs) (excluding is) (Head + F/ 17mm(W12.3 337mm(W5.3)) 337mm(W5.3 337mm(W5.3 337mm(W5.3))	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signals (4:2:2)	AC100, DC+11 approx approx w135 5 W138.5 SYNC 0 -60dB t XLR Typ R,G,B E Serial D 75 ohm VF / RE OR VF / RE (Factor 0 dBs 4 (CCU • B Below 60Hz tc Over 30 Below 30Hz tc	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5: 5 x H270 x D (H462 x D5: 5 x H270 x D (H2 x D) (H2 x D	20/240V ±10 <sup>s</sup> bs) (excludinţi bs) (excludinţi bs) (Head + F <i>i</i> 17mm(W12.3 337mm(W5. 333	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-970A         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         G-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signals (4:2:2)	AC100, DC+11 approx approx w315 > W138.5 W138.5 SYNC 0 -60B tt XLR Tyl R,G,B D Serial D Serial D Serial D F / RE (Factor 0 dBs 4 (CCU • B Below 1 80Hz tc Over 31 Below 1 30Hz tc Over 1	/110/117/22 to 16V 24kg (52.91 4.5kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 4.45kg (9.91k 5.5kg (9.91kg) 5.5kg (9.91k	20/240V ±10 <sup>s</sup> bs) (excludinţi bs) (excludinţi bs) (Head + F <i>i</i> 17mm(W12.3 337mm(W5. 333	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         Q-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signal (4:2:2)         Pb, Pr Output Signal (4:2:2)	AC100, DC+11 approx approx W315 J W138.5 W138.5 SYNC 0 -60dB t XLR Tyj R,G,B D Serial D 75 ohm VF / RE OR VF / RE GR VF / RE GR V V / RE GR V / RE GR V / RE GR V / RE GR V / RE GR V / RE GR V / RE C / RE GR V / RE C / RE C	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5: 5 x H270 x D .6Vp-p ±6dE 5 x H270 x D .6Vp-p ±6dE 0 x +4dB (Var pe or 110 Ty -Sub SE CN igital 75 ohr v VBS 2ch (2 T / MON / H y Option) ch (ENG/PRI S Output) 50Hz 30Hz Falling 50Hz wit 30Hz Falling 50Hz Falling 50Hz Falling	(0/240V ±10' bs) (excludin is) (Head + F/ 17mm(W12.3 337mm(W5.))))))))))))))))))))))))))))))))))))	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         Q-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signal (4:2:2)         Pb, Pr Output Signal (4:2:2)	AC100, DC+11 approx approx W315 s W138.5 W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR VF / RE VF / RE VF / RE VF / RE OR VF / RE VF	/110/117/22 /110/117/22 to 16V .24kg (52.9] .4.5kg (9.9]t .4.5kg (9.9]t .4.45kg (9.9]t .4.45kg (9.9]t .4.45kg (9.9]t .4.45kg (9.9]t .4.45kg (9.9]t .4.46kg (Var <p< td=""><td>20/240V ±10' bs) (excluding is) (Head + F/ I7mm(W12.3 337mm(W5.3))))))))))))))))))))))))))))))))))))</td><td>g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj</td><td>D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita</td><td>es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch</td></p<>	20/240V ±10' bs) (excluding is) (Head + F/ I7mm(W12.3 337mm(W5.3))))))))))))))))))))))))))))))))))))	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	
Operating Voltage         HDK-970A         HDK-970A         HDK-97A         Weight         HDK-97A         Dimensions         HDK-97A         Dimensions         HDK-97A         Input Signals         External Sync Signal         Intercom Signal         Output Signals         Analog Signal         Q-TV Signal         MON Video Signal(1.5G)         Intercom Signal         Video Frequency Response         Y Output Signal (4:2:2)         Pb, Pr Output Signal (4:2:2)	AC100, DC+11 approx approx W315 s W138.5 W138.5 SYNC 0 -60dB t XLR Tyl R,G,B D Serial D 75 ohm VF / RE OR VF / RE VF / RE VF / RE VF / RE OR VF / RE VF	/110/117/22 to 16V 24kg (52.9] 4.5kg (9.9]t (H462 x D5: 5 x H270 x D .6Vp-p ±6dE 5 x H270 x D .6Vp-p ±6dE 0 x +4dB (Var pe or 110 Ty -Sub SE CN igital 75 ohr v VBS 2ch (2 T / MON / H y Option) ch (ENG/PRI S Output) 50Hz 30Hz Falling 50Hz wit 30Hz Falling 50Hz Falling 50Hz Falling	20/240V ±10' bs) (excluding is) (Head + F/ I7mm(W12.3 337mm(W5.3))))))))))))))))))))))))))))))))))))	g lens) A) 7 x H18.25 x x 5 x H10.62 x CN 1ch (BB/ 8 (Fixed) XLR em Expander option, and n) Serial Digi IU Selection) SM2) XLR Tyj	D13.25 inche PS Signal) CN 2ch (60C ) *Available 1ch only in 7 tal 75 ohm E Serial Digita	es) ohm Balanced) for HDK-97A only. (20p/50Hz) BNC 1ch al 75 ohm BNC 1ch	

Audio Frequency Respons	e (CCU • BS Output)		120
Mic-1/2 Output	"Below 100Hz	Falling	
	100Hz to 20KHz	within±1.0dB	
	Over 20KHz	Falling"	
Intercom Output	"Below 100Hz	Falling	
	100Hz to 10KH	within±1.0dB	
	Over 10KHz	Falling"	
Viewfinder	2" Color LCD	Viewfinder	
	7.4" OLED	Viewfinder	
	9" Color LCD	Viewfinder	

### **BS-98/CCU-980**

HDTV System(Input Signal	5)			
External Reference Input	GENLOCK : Tri-level sync ot BBS 75 ohm BNC x2 (Loop Through)			
	(HDTV/SDTV automatic detection)			
	SUB REF : 10 Field ID 75 ohm BNC x2 (Loop Through)			
Return Video Input	75 ohm 3G/HD/SD-SDI Single End 4ch or 2ch Active-Through			
	(Menu Selection)			
Q-TV (prompter) Input	HD-QTV: HD-SDI 75 ohm single end 1ch			
	SDTV: VBS 75 ohm single end 1ch (2ch:factory option)			
Output Signals				
Line Video Output	Serial Digital 75 ohm BNC 2ch 4 outputs (OUT1/OUT2			
Life video Output	3G/HD-SDI SMPTE 425M, SMPTE 372M, SMPTE292M standard			
	*3G-SDI format supports Dual-Link outputs(Menu Selection)			
	SDTV signals Serial Digital 750hm BNC 1 ch 2 outputs (OUT3) SMPTE292N			
	VBS Signal 1.0Vp-p 750hm BNC 1ch 2 outputs			
Monitor Vidoo Output	3G/HD-SDI Serial Digital 75 ohm BNC 1ch 1 output (HD PM)			
Monitor Video Output	*SMPTE 425M, SMPTE292M standard			
Truck Males Outrust				
Trunk Video Output	HD-TRUNK : HD-SDI 75 ohm single end 1ch			
	(factory option)			
Intercom(ENG/PROD)	4-wire or Clearcom or RTS			
4-wire	0dBm 600 ohm 2ch			
Clearcom	-15dBs 200 ohm 2ch			
RTS	0dBs 200 ohm 2ch			
MIC	OdBs 2ch 2 outputs Low impedance			
Tally	R/G/Y 3ch OPEN (OFF) / GND (ON) 50mA (max)			
Control				
Arcnet	BNC x1ch			
Ethernet	RJ-45 x1ch			
ICCP	OCP/CCP x1, CCP/CSU x1			
General	•			
Operating Voltage	AC100/110/117/220/240V±10%			
Power Consumption	BS-98 : approx. 80VA (BS only)			
	CCU-980 : approx. 110VA (CCU only)			
Ambient Temperature	BS-98 : 0°C to +40°C (32°F to 104°F)			
	CCU-980 : 0°C to +45°C (32°F to 113°F)			
Relative Humidity	30% to 90% (Non-condensing)			
Dimensions	BS-98 : W218.6 x H125x D457mm			
Dimensions	(W8.63 x H4.92 x D18.00 inches)(excluding protrusions)			
	CCU-980 : W483×H133×D454mm			
	(W19.00 x H5.25 x D17.88 inches) (excluding protrusions)			
Weight	BS-98 : approx. 9kg (20 lbs)			
weight	CCU-980 : approx. 28kg (20 lbs)			
	CCO-300 . approx. 20kg (02 lbs)			

Design and specifications are subject to change without notice. U242E155-ED3 Ikegami Tsushinki Co.,Ltd. URL : http://www.ikegami.co.jp/en/ ISO 9001 ISO 14001 Overseas Sales Division : 5-6-16 lkegami, Ohta-ku, Tokyo 146-8567, Japan ······ TEL.03-5700-4117 / FAX.03-5748-2200 Beijing Office : Room No.307 Tower B, Jia Tai International Mansion No.41East Fourth Ring Road, Chaoyang District, Beijing China ··· TEL.010-85710350 / FAX.010-85711804 Ikegami Electronics (U.S.A.), INC. URL : http://www.ikegami.com Headquarters : 37 BROOK AVENUE, MAYWOOD, NJ 07607 ······ Ikegami Electronics (Europe) GmbH URL : http://www.ikegami.de/ U.K. Branch : 1 Windmill Business Village, Brooklands Close, Sunbury on Thames, TW167DY, England ..... TEL.01932-769700/ FAX.01932-769710

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