

Ikegami

UNICAM XE

4K/HD Camera System UHK-X750

4K HDR



The UHK-X750 is the flagship 4K/HD camera head for live and studio production with box lenses. Sharing the CMOS sensor with the global shutter and the digital signal processing technology with the UHK-X700, the UHK-X750 brings a naturalness to the uncompromising 4K image quality. The robust housing and the optimally placed and easy-to-use switches make it comfortable for the photographer to perform his/her tasks, especially live coverage with super-telephoto zoom lenses.

Natural Image Expressions

The 2/3-inch CMOS sensor incorporates a global shutter pixel architecture, enabling to capture natural images even under challenging situations. Still frame replay of fast-moving objects is free from geometric distortion.



High Frame Rate Capturing

The choice of HFR options provide maximum 2x speed in 4K and up to 8x speed in HD.



Advanced-HFR: up to HD 4x

Extended-HFR: up to 4K 2x or HD 8x

There are no flash bands when shooting under strobe lights or flashes from still cameras.



Optimal Camerawork with Box Lenses

As the VF position can be lowered and close to the optical axis of the zoom lens, the UHK-X750 provides the optimal camerawork.



CCU-X100 Camera Control Unit

The CCU-X100 is a Camera Control Unit in 3U full rack width. Offering a highly versatile signal interface, the CCU-X100 fits the UHK-X700/X750 into productions of every size and complexity. With a mighty power supply, it is a perfect choice for OB and field production purposes where greater cable length is required.



Full Compatibility with the existing system

With the 4K standard configuration, the CCU supports the UHK-X700 and the UHK-X750. As with its half-rack counterpart, a variety of options, including the 4K 2x & HD 8x HFR are available.

Full Compatibility with the existing system

The CCU-X100 in 4K/HD Multi configuration supports Ikegami's flagship 4K/HD camera heads as well as "Unicam HD" HDTV camera heads. There is no need to physically switch the connection path of both systems as they share the same HFO receptacle.

MolP Interface (Option)

With an optionally available MolP interface, the CCU-X100 can be integrated into modern IP media networks conforming to SMPTE ST.2110 and NMOS standards for maximum flexibility and interconnectivity while reducing the complexity of signal and cabling infrastructure.

MolP Module in exchange for the standard 12G_OUT Module



4K HDR / HD SDR Simultaneous Output

The CCU-X100 has a total of 11 outputs as standard, including 4K output in 12G-SDI or 3G-SDI Quad Link and HD output in 3G-SDI/HD-SDI. The independent control optimizes the picture settings such as gamma, DTL, gamut, etc. for both 4K and the downscaled HD output system.

Specifications/Ratings

UHK-X700						
Specifications						
Image Sensor	3x 2/3-inch CMOS Sensor with Global Shutter					
Lens Mount	B4					
Effective Resolution	3840 (H) x 2160 (V)					
Optical Filters (Servo Controlled)	ND	1	2	3	4	5
	CC	3200 K	4300 K	6300 K	Cross	Option
S/N Ratio	4K:	62 dB or better		HD:	62 dB or better	
Limiting Resolution	4K:	2000 TVL or more		HD:	1000 TVL or more	
Sensitivity (2000 lx, 89.9% Reflex)	4K:	F10 / 59.94p		F11 / 50p		
	HD:	F10 / 59.94p		F11 / 50p		
Gamma Curves	OFF, 0.35, 0.4, 0.45, HLG, Custom 1 - 5					
General Specifications						
Ambient Temperature	Operation: -20 °C to +45 °C (-4 °F to +113 °F) Storage: -30 °C to +60 °C (-22 °F to +140 °F)					
Operation Humidity	30 % to 90 % *non condensation					
Dimensions	W 148.5 x H 243 x D 340 mm (W 5.9 x H 9.6 x D 13.4 in)					
Weight	Approx. 19 kg (41.9 lbs), without Viewfinder					

CCU-X100			
Video I/O			
Hybrid Fiber Camera Cable	1	LEMO 3K Type (SMPTE 304M)	
Video In	RET	4x BNC	4-input or 2-input with Active Loop-through
	HD QTV	2x BNC	2-input or 1-input with Active Loop-through
	4K QTV	1x BNC	12G-SDI, OUT 3-4 of 12G OUT *
	MolP (Option)	2x SFP	Option, 10G (HD) / 25G (4K) SMPTE ST2110 Compliant
Video Out	OUT 1-4	4x BNC	4K 3G-Quad Link (2SI) or HD
	OUT 5-8	4x BNC	HD, OUT 8 is for MON Video
	12G OUT 1-4	4x BNC	4K 12G-SDI or 3G-Quad Link (2SI)
	MolP (Option)	2x SFP	10G (HD) / 25G (4K), SMPTE ST2110 Compliant
	HD TRUNK	1x BNC	HD-SDI, OUT 5-7
	4K TRUNK	1x BNC	12G-SDI, OUT 3-4 of 12G OUT *
	REFERENCE	2x BNC	Tri Level Sync or BB, Active Loop-through
	SYNC/AES	1x BNC	Tri Level Sync or Digital Audio out (AES / EBU)
General Specifications			
Dimensions	W 482.6 x H 132.6 x D 398 mm (W 5.9 x H 9.6 x D 13.4 in)		
Weight	Approx. 17 kg (37.5 lbs)		

Design and specifications are subject to change without notice.

Ikegami Tsushinki Co., Ltd.

■ URL: www.ikegami.co.jp/en/

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- Head Office : 5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.+81-(0)3-5700-1111 / FAX.Head Office +81-(0)3-5700-1137
- Overseas Sales Division : 5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.+81-(0)3-5700-4117 / FAX.+81-(0)3-5748-2200
- Beijing Office : Tower A Room No.823-824 Jia Tai International Mansion No.41
East Fourth Ring Road,Chaoyang District,Beijing ,China TEL / FAX.+86-(0)10-85710350



Ikegami Electronics (Europe) GmbH

■ URL: www.ikegami.de

- Headquarters : Ikegami Strasse 1, D-41460 Neuss, GermanyTEL.+49-(0)2131-1230 / FAX.+49-(0)2131-102820

Ikegami Electronics Asia Pacific Pte.Ltd.

■ URL: sg.ikegami.co.jp

- Headquarters : 1 Tampines Central 5, #06-04 CPF Tampines Building, Singapore 529508.... TEL.+65-6260-8820 / FAX.+65-6260-8896