

Ikegami

4K

Upgradeable

Featuring 2/3-inch Global Shutter CMOS sensors, three chip RGB prism optics, and conventional B4 lens mount. The UHK-X650 4K upgradeable HD Studio/Portable Camera System makes its debut as the third member of Ikegami's UNICAM XE camera range, developed with "no compromise" for the HDR, IP, and 4K era.

Global Shutter CMOS Sensor

The newly developed CMOS sensor incorporates global shutter pixel architecture, enabling the UHK-X650 to capture natural images.



No Geometric Distortion with Global Shutter
(Simulated images)

The UHK-X650 uses three CMOS sensors, one for each RGB channel, realizing high sensitivity of F10 (1080p/59.94), high signal-to-noise ratio of 62 dB, and accurate color reproduction conforming to BT.709 or BT.2020. The sensors have excellent dynamic range, with the UHK-X650 supporting HLG HDR as a standard feature.

Field Upgradeable

The UHK-X650 can be upgraded in the field for additional functionality as you encounter various needs that arise in the future. Ikegami provides the following perpetual paid-licenses:

- 4K (2160p 59.94/50)
- 4K HDR/HD SDR Simulcast
- HFR Capturing (2x, 3x, and 4x HD)
- 24p Capturing

Optimal Camerawork with Box Lenses

As the VF position can be lowered and close to the optical axis of the zoom lenses, the UHK-X650 provides optimal camera operation.

VF Position (SE)
VF Position (UHK-X650)
Optical Axis



UHK-X650

UHK-X600 + SE-U430

UHK-X650

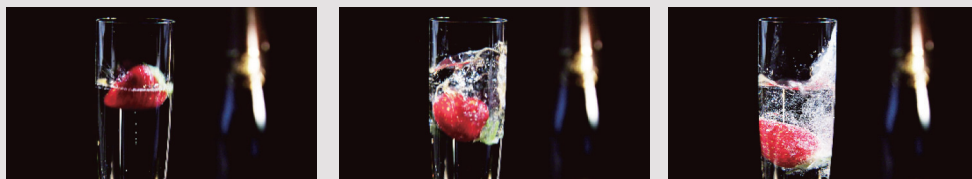
UNICAM XE HD CAMERA SYSTEM



Ikegami

High Frame Rate Capturing (option)

Operation with the BSX-100 enables capturing HFR images in HD at up to 4x speed.



Optical Vignetting Correction (OVC)

Automatic electronic compensation for F-drop and vignetting through the lens zoom range.



Remote Backfocus Adjustment (RBF)

The RBF Adjustment function helps setting accurate backfocus even when the camera head is located in an environment where it is hard to reach the back focus adjustment.

BSX-100 4K/HD Base Station type-S

The BSX-100S is the base station for the UHK-X650. Leaving a blank rear expansion slot in the standard configuration, this base station maximizes the performance and efficiency of the future proof license system.

Specifications

UHK-X650																			
Image Sensor	2/3-inch CMOS Sensor with Global Shutter Architecture																		
Lens Mount	B4 Bayonet (ARIB TR-B37)																		
Effective Resolution	1920 (H) x 1080 (V)																		
Limiting Resolution	1000 TVL or more 2000 TVL or more (4K mode, Option)																		
S/N Ratio	62 dB or better																		
Sensitivity	F10 / 59.94p, F11 / 50p (2000 lux, 89.9% Reflection)																		
Optical Filters	<table border="1"> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td>ND</td> <td>CLEAR</td> <td>1/4</td> <td>1/8</td> <td>1/16</td> <td>1/64</td> </tr> <tr> <td>CC</td> <td>3200</td> <td>4300</td> <td>6300</td> <td>CROSS</td> <td>Option</td> </tr> </table>		1	2	3	4	5	ND	CLEAR	1/4	1/8	1/16	1/64	CC	3200	4300	6300	CROSS	Option
	1	2	3	4	5														
ND	CLEAR	1/4	1/8	1/16	1/64														
CC	3200	4300	6300	CROSS	Option														
Dimensions	W 315 x H 328.5 x D 398 mm (W 12.4 x H 12.9 x D 15.7 inches)																		
Weight	Approx. 19 kg (41.9 lbs)																		

BSX-100 type-S		
Video In	RET:	4 ch 3G/HD-SDI, 4-input or 2-input with Active Loop-through
	HD QTV:	2 ch 3G/HD-SDI, 2-input or 1-input with Active Loop-through
	Ext. Reference:	Tri-level or BB, Active Loop-through
Video Out	SDI OUT:	8ch 3G/HD-SDI (OUT 8 is for HD MON Video) Optional 4 ch 3G/HD-SDI Optional 12G-SDI or 3G-Quad Link (2SI)
	HD TRUNK	1 ch 3G/HD-SDI
	Sync	1x BNC Tri-level
MoIP (Option)		2x SFP 25G (HD/4K) SMPTE ST2110 Compliant NMOS IS-04 & IS-05 Supported
	Dimensions	W 216 x H 123.6 x D 417.2 mm (W 8.5 x H 4.9 x D 16.4 inches)
Weight	Approx. 7 kg (15.5 lbs)	

Design and specifications are subject to change without notice.

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