

Ikegami

4K

Upgradeable

Featuring 2/3-inch Global Shutter CMOS sensors, three chip RGB prism optics, and conventional B4 lens mount. The UHK-X600 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.

Features

Global Shutter CMOS Sensor

The newly developed CMOS sensor incorporates global shutter pixel architecture, enabling the UHK-X600 to capture natural images.



No Geometric Distortion with Global Shutter
(Simulated images)

The UHK-X600 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-X600 supporting HLG HDR as a standard feature.

Field Upgradeable

The UHK-X600 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 Capturing(2160p 59.94/50)
- 4K HDR/HD SDR Simulcast
- HFR Capturing (2x, 3x, and 4x HD)
- 24p Capturing

High Frame Rate Capturing (Option)

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



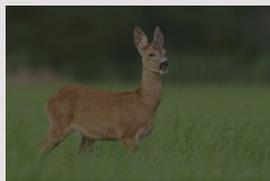
UHK-X600

UNICAM XE HD CAMERA SYSTEM



Optical Vignetting Correction (OVC)

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



F-drop



Vignetting



Automatic correction

(Simulated images)

Remote Backfocus Adjustment (RBF)

The RBF 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-X600. Leaving a blank rear expansion slot in the standard configuration, this base station maximizes the performance and efficiency of the future proof license system of the UHK-X600.

Multi-standard Video I/O

The BSX-100S provides 8 channels of 3G/HD-SDI output including one MON output with character information. And there are 6 input channels of 3G/HD-SDI, four for RET and two for prompter support, all simultaneous sent to the camera and available for output at the camera.

12G OUT (option)

An additional 4 channels of 3G/HD-SDI output are available by fitting the optional 12G OUT module at the expansion slot. The 12G OUT module feeds 4K images via 4 channels of 12G-SDI when the UHK-X600 operates with a 4K license key.

MoIP I/F (option)

The UHK-X600 supports SMPTE ST 2110 media-over-IP interface by fitting the BSX-100S with the MoIP option module. Remote control and resource management is available from external controllers supporting AMWA NMOS IS-04 and IS-05.

GbE Ethernet Trunk (option)

With one of the optional output modules (12G OUT or MoIP) that has a GbE port, a 1 Gbps Ethernet data trunk line is added between the UHK-X600 and the BSX-100S.



Design and specifications are subject to change without notice.



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