



A Tradition of impeccable Imaging

Leader in Broadcast Cameras,
Monitors and Accessories

Product Pocket Guide

2023 | 2024



Ikegami

PHASE Engenharia Ind. e Com. Ltda.

Av. Olegário Maciel 231, Lojas 101 a 105 - Barra da Tijuca, CEP 22.621-200 - Rio de Janeiro, RJ, Brasil
Tel. +55.21.2493.0125. Fax +55.21.2493.2595

e-mail: phase@phase.com.br - Web: www.phase.com.br

UHK-X750 | UHK-X650

UHK-X750 and UHK-X650 are the new studio camera head versions within the UNICAM XE lineup, providing all features of the UHK-X700 and UHK-X600 except those that apply to portable shoulder operation. The UHK-X750 and UHK-X650 offer a lower center-of-gravity and easier staging compared to a portable camera with telephoto lens and large lens supporter. In addition, the Ikegami full studio cameras feature a greater design emphasis on ease of service and operation..



Common Features

UHK-X750 | -X700 | -X650 | -X600

- 2/3-inch CMOS B4 Mount
- Wide Color Gamut ITU-BT2020
- Media Over IP Option: Board (CCU/BS)
- Option: Additional OLP (Optical Low Pass Filter)
- Global Shutter CMOS Design
- HDR (High Dynamic Range) Support: HLG
- Portable & Hard Camera Version available

2/3-inch 3-CMOS Optical System

Perfect color reproduction using a 3-chip optical system. Industry standard B4 lens mount, compatible with HD & UHD lenses.

High Dynamic Range

The UHK-X7xx/-X6xx Camera Series delivers a more natural quality in high contrast for a wider dynamic range with Hybrid Log Gamma (HLG).

Latest Image Processing

Ikegami's new AXII ASICs achieve cutting edge image processing including 16-axis color correction and chromatic aberration, etc.

UHK-X700 | UHK-X600

The UHK-X700 and the new UHK-X600 4K/HD portable camera system mark a significant leap forward in reaching for reality. Newly developed CMOS sensors with Global Shutter architecture combined with the latest digital signal processing technology from Ikegami bring even greater naturalness to the uncompromising 4K and HD image quality of the new UNICAM XE camera family.



Different Features

UHK-X750 | -X700

UHK-X600 / UHK-X650

- | | | | |
|--|--|--|---|
| <p>HD:
1920x1080P/i
4K/UHD:
3840x2160P/i</p> | <p>HFR (Option)
UHD 2x Speed
HD 2x, 3x, 4x, 6x,
8x Speed</p> <p>HFR</p> | <p>HD:
1920x1080P/i
4K/UHD:
3840x2160P/i</p> | <p>HFR (Option)
HD 2x, 3x, 4x
Speed</p> <p>HFR</p> |
|--|--|--|---|

UHK-X700/-X600

Option (UHK-X700/-X600)
System Expander (SE-U430)

3-CMOS Sensors with Global Shutter

- Free from Rolling Shutter artefacts
- Free from Flash Band artefacts



Rolling Shutter: *Skewed vertical lines*



Rolling Shutter: *Flash Band*



Global Shutter: *No geometric distortion*



Global Shutter: *No partial exposure*

HDR & WCG Support

- High Dynamic Range (HLG = Hybrid Log Gamma) and Wide Color Gamut standard feature
- Simulcast of SDR and HDR images is supported



Standard Dynamic Range



High Dynamic Range

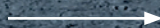
HFR Support (Option) HFR

- High Frame Rate capturing is optionally supported by the new Ikegami UNICAM XE Camera family
- For UHK-X750/-X700: 4K/UHD up to 2x speed, HD up to 8x speed
- For UHK-X650/-X600: HD up to 4x speed
- HFR in HD (up to 4x speed) is available directly from camera head



Optical Vignetting Correction (OVC)

F-drop compensation with vignetting correction.



**with supported lenses*

4K/UHD Video Trunk (Option)

- Additional transmission line for an external 4K video source
- UHK-X7xx/-X6xx series accepts asynchronous sources



UHK-X7xx/-X6xx 4K/HD Camera



SMPTE Hybrid Fiber Cable

4K Trunk in

12G-SDI Out

GbE Trunk

UHL-43 4K/HD Box Camera



Ethernet (Camera Control)

12G-SDI Out

4K Trunk out

GbE

Ethernet (Camera Control)



BSX-100
Base Station

Camera Control Units (CCU)

CCU-X100

- 4K/UHD/HD Camera Control Unit • Full 19-inch Rack Size • 3U high • Up to 4.000m cable extension (incl. power to CamHead)



BSX-100U/M

- 4K/UHD/HD Compact Camera Control Unit • Half 19-inch Rack size
- Up to 3.000m cable extension (incl. power to CamHead)



- | | | | |
|--------------------------------------|--|---|---------------------------------------|
| UHK-X700/-750
UHK-X600/-650 | 12G SDI Interfaces | 4K /UHD /HD Simulcast | Ultra Wide Band
Fiber Transmission |
| Optional:
Media Over IP
ST2110 | Option: HFR Module for
UHD (2x) / HD (8x) | 4K/UHD and HD
(cropped)
parallel output | Gigabit-Ethernet
Data Trunk |

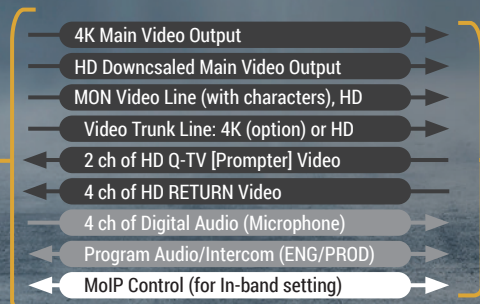
4K/UHD and HD (cropped) parallel output

- 4K/UHD and cropped HD potputs are available from CCU-X100 & BSX-100
- The position of the cropped HD image can be controlled individually via OCP/MCP



25 G SFP

MoIP Control (for Out-of-band setting)



NETWORK SWITCH

MoIP

Unicam HD Series

Fiber Transmission Camera Adaptors

HDK-99 HFR

- 3G HD Multi Format CMOS Camera
- Supports 1080P/I and 720P formats
- Supports HFR (1080i in 2x speed)



HDK-73

- Affordable HDTV CMOS Camera
- Supports 1080P/I and 720P formats



Common Features

HDK-99 | HDK-73

2/3-inch CMOS
B4 Mount

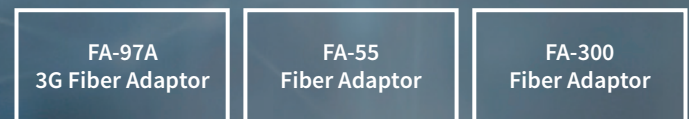
HDR (High Dynamic
Range)
Support: HLG

Option: Additional OLP
(Optical Low Pass
Filter)

Optional
System Expander
(SE-H750)



HDK-99
HDK-73



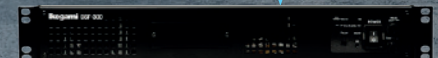
1080P/I, 720P

1080i, 720P

1080i, 720P



BSX-100H/M
CCU



BSF-300
CCU

Camera Control Units (CCU)

BSX-100M/H

- BSX-100M: 4K/UHD/HD Compact Camera Control Unit • BSX-100H: HD Compact Camera Control Unit • Half 19-inch Rack Size • 3U high • Up to 3.000m cable extension (incl. power to CamHead)



BSF-300/-300L

- HD Compact Camera Control Unit (Neutrik Connector) • BSF-300L: with SMPTE Lemo Connector • Full 19-inch Rack Size • 1.5U high • Up to 300m cable extension (incl. power to CamHead)



BSX-100M Type:
UHK-X700/-750
UHK-X600/-X650
HDK-99+FA-97A/-55
HDK-73+FA55

12G SDI Interfaces

4K/UHD and HD (cropped)
parallel output

Option: HFR Module for UHD
(2x) / HD (8x)

Optional:
Media Over IP: ST2110

4K /UHD /HD Simulcast

BSX-100H Type:
HDK-99+FA-97A/-55
HDK-73+FA-55

Optional:
12G SDI Interface Board

Optional:
UHD Processing
SW License Key

HDK-99+FA-300
HDK-73+FA-300

Standard: Hybrid Fiber Cable
with NEUTRIK Connector

FA-300L/BSF-300L: Hybrid Fiber Cable
with SMPTE Lemo Connector

Compact Cameras

UHL-43 | UHL-43HD

- Versatile Compact Camera • 3x 2/3"-CMOS Sensors with native UHD resolution
- UHL-43 supports 4K/UHD/HD Frame Rates • UHL-43HD supports HD frame rates only



B4 Lens Mount

Color Spaces:
BT2020 / ITU-709

16 axis Color Corrector

Option: 4K/UHD License for UHL-43

Option: 3G Quad-Link Output

Option: Handheld Kit w. 2"-Viewfinder

Option: High Temperature (+50C)

Option: Serial Remote Control I/F

HDR Support

UHL-F4000

- Optimized for aerial applications • Optical Unit and Signal processing separated in two units • 100-Base-TX Ethernet Trunk Line between camera head and processing unit



B4 Lens Mount

Color Spaces:
BT2020 / ITU-709

16 Axis Color Corrector

High Sensitivity
F=13@2000lx

Optical Unit tailored for Gimbal

HDR support

Image Flip

Clear Image

+72dB Gain

Viewfinder Models

UNICAM XE Series

VFL 201D

- 2-Inch Digital I/F LCD color Viewfinder



UHK-X700
UHK-X600

UNICAM HD Series

VFL 201A

- 2-Inch LCD color Viewfinder



HDK-99
HDK-73

VFL P700D

- 7-inch Color Viewfinder
- Full HD Resolution (1920x1080)
- Digital Interface



UHK-X700/-X750
UHK-X600/-X650

VFL P700A

- 7-inch Color Viewfinder
- Full HD Resolution (1920x1080)
- Analogue Interface



HDK-99
HDK-73

System Expanders

Ikegami System Expanders allow to convert a portable camera head into a full facility studio camera within a few seconds.

SE-U430

- System Expander for Studio Lens Operation
- UNICAM XE Series



UHK-X700
UHK-X600

SE-H750

- System Expander for Studio Lens Operation
- UNICAM HD Series



HDK-99
HDK-73

Camera Control Units

Ethernet System

OCP-300



- UNICAM XE
UNICAM HD
- Serial I/F
- Ethernet
- Master Control (Option)
- Touch Screen
- SD Card

OCP-100

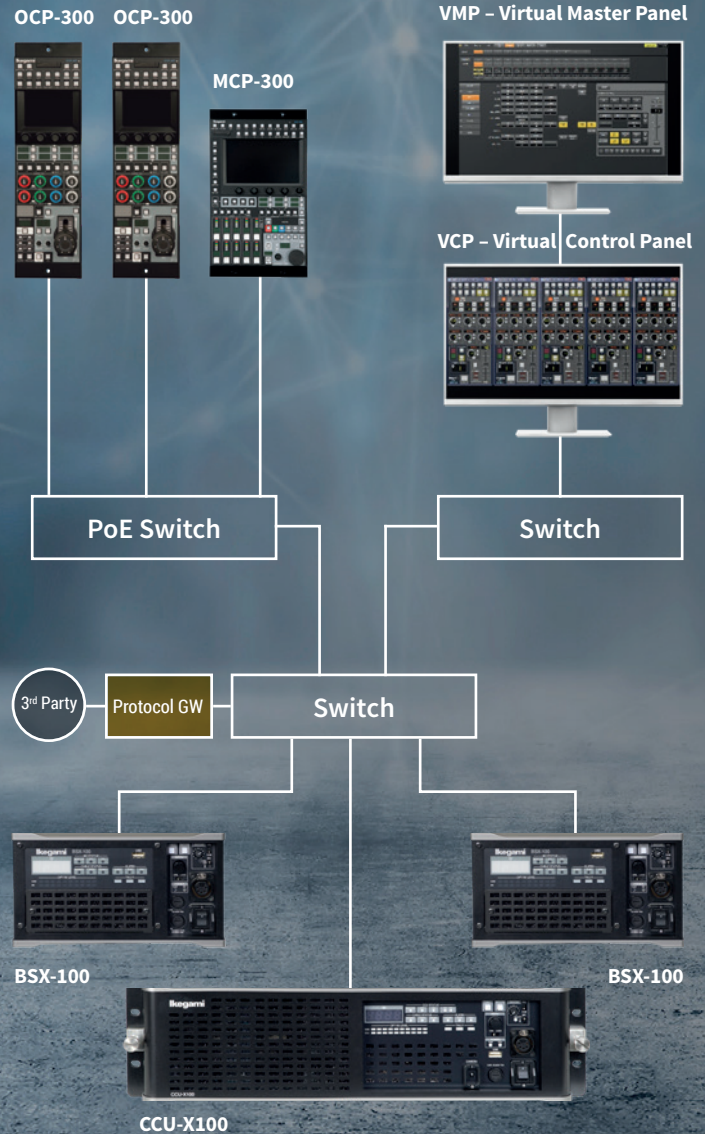


- UNICAM XE
UNICAM HD
- Serial I/F

MCP-300



- Ethernet
- SD Card
- UNICAM XE
UNICAM HD
- Serial I/F
- Touch Screen
- Master Control



4K/UHD Reference Monitor

HQLM-3125X **4K**

31-Inch 4K/UHD/HD Multi Format Master Monitor



31-Inch 4K LCD	4096x2160 Pixel	1,000 Nits
BT.2020/ITU-709	DCI-P3	HLG / PQ / S-LOG
12G-SDI	3G HD-SDI	HDMI (HDCP 2.2)

4K LCD Broadcast Monitors

HQLM-3120W **4K**

31-Inch 4K/UHD/HD Multi Format Monitor



31-Inch 4K LCD	4096x2160 Pixel	350 Nits
BT.2020/ITU-709	DCI-P3	HLG / PQ / S-LOG
12G-SDI	3G HD-SDI	HDMI (HDCP 2.2)

HQLM-1720WR **4K**

17-Inch UHD/HD Multi Format Monitor



17-Inch 4K LCD	3840x2160 Pixel	450 Nits
BT.2020/ITU-709	DCI-P3	HLG / PQ / S-LOG
12G-SDI	3G HD-SDI	HDMI (HDCP 2.2)

High Grade Broadcast Monitors

HLM-1760WR

17-Inch Full HD Multi Format Monitor



HLM-960WR

9-Inch Full HD Multi Format Monitor



17-Inch HD LCD

1920x1080 Pixel

450 Nits

ITU-709

HDR (Option)

Split Screen

3G HD-SDI

HDMI (HDCP)

9-Inch HD LCD

1920x1080 Pixel

400 Nits

ITU-709

HDR (Option)

Split Screen

3G HD-SDI

HDMI (HDCP2.2)

Multi Format Professional Monitors

ULE-315

31.5-Inch Full HD Multi Format Monitor



31.5-Inch HD LCD

1920x1080 Pixel

ITU-709

VGA Input

3G HD-SDI

HDMI

ULE-217AR

21.5-Inch Full HD Multi Format Monitor



21.5-Inch HD LCD

1920x1080 Pixel

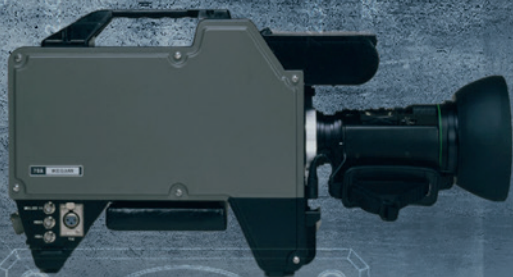
ITU-709

VGA Input

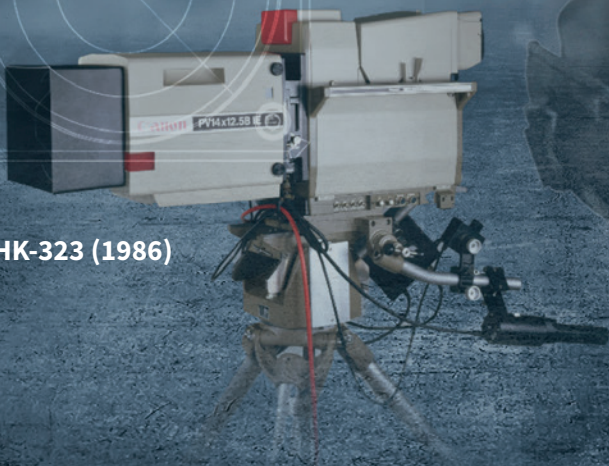
3G HD-SDI

HDMI

For many decades, Ikegami has taken the lead in the production of high-quality broadcast TV cameras. Image quality, optimal usability and product quality have always been top priorities.



HL-79A (1978)



HK-323 (1986)

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