

Ikegami

High Resolution 4K Camera

MKC-750UHD type H

with 12G-SDI, HDMI outputs



4K High Resolution

By equipping the CCU with 4K (3840x2160) digital processing, the MKC-750UHD produces superb resolution with four times the sample rate of conventional HD (1920x1080). (Horizontal Resolution 1600TVL, and S/N 58dB)



High Sensitivity

When providing 4K resolution, the MKC-750UHD has a sensitivity of F11 (LINE MIX ON) at 2000 lx

Automatic Iris Control

By connecting an exclusive camera adaptor, the auto iris control function can be used. Optical Iris in this connection.

Auto Gain Control

The gain can be adjusted automatically to provide the proper picture brightness when the light level is not enough.

Scene File

Four switches are available on the CCU to custom assign to control functions important to the user.

Level Indicator

Video level can be checked and adjusted using a level indicator on the CCU.

Compact and Lightweight Camera Head

Although the MKC-750UHD is a 4K camera, it has a very compact and lightweight camera head.

12G-SDI, HDMI Outputs

Various type of outputs (4K: Quad Link 3G-SDI, 12G-SDI, HDMI / HD:HD-SDI and DVI) for flexible integration.

Automatic Electronic Shutter System (Shutter speed)

The continuously variable electronic shutter can be used with a manual iris lens. This Iris functionality maintains optimized performance over a wide range of lighting conditions.

Flip and Turn Function

The images can be flipped horizontally and vertically by the digital processing to correct the TV image against the inversion caused by optical instruments. Remote control is available via an optional external unit such as a foot switch.

Picture Freeze

By pressing the Freeze button on the CCU, it is possible to hold the current image.

Digital Zoom

Electronic zoom for the center of an image is available, up to four times.

Specifications

Rating		
Optics	RGB prism	
Image Pickup Device	1/3-inch, CMOS x 3	
Lens Mount	C-Mount	
Output Signals	4K 3840x2160p 50/59.94Hz	HDMI (4K/2K switchable) 1ch
		12G-SDI 1ch
		3G-SDI (Level A) x4
	HD 1920x1080p/i 50/59.94Hz	3G/HD-SDI 2ch DVI 1ch
External Reference	HDTV Tri-Sync 1ch	
Camera cable (option)	Single : MCGHPP-050 (5m) Single : MCGHPP-070 (7m) Combination : MCGHPP-050 (5m) + MCGCJP-100 (for extension 10m)	
Dimensions / Weight	Camera Head	W34 x H40 x D40mm (excluding protrusions) / 100g approx.
	Camera Control Unit	W210 x H80 x D270mm (excluding protrusions) / 3kg or less
Power Requirement	AC 100V-230V ±10% 50/60 Hz	
Power Consumption	29W	
Safety Approval	EN60601-1, ANSI/AAMI ES60601-1	

Performance	
Resolution	1600 TV Line
S/N	58dB (Gamma/Detail OFF)
Sensitivity	2000 lx F11 / 3200K or more (LINE MIX ON)

Function		
Electronic Shutter (Rolling Shutter)	Manual	1/100~1/10000
	Auto	1/100~1/10000
	Slow	1/4, 1/8, 1/15, 1/30 field/sec
Gain		-9dB~24dB (3dB steps)
Automatic Functions		Auto White Balance Auto Gain Control Auto Iris Control Auto knee
Image Correction Functions	Shading Correction, DTL Correction, Flare Correction, Auto knee	
Auto Iris Sample Area	Narrow / Middle / Full / Circle / USER	
Image Flip and Turn	Horizontal, Vertical	
Scene File	4 files (by CCU front switch) Setting data can be stored in USB memory	
H/V Centering	Built-in	
Digital Zoom	1.1x-4x	
Color Bar	Built-in	
Color Correction (paint)	R-channel / B-channel Correction available via CCU front switch	
Brightness Adjustment	Available via CCU front switch	
Freeze Function	Built-in (Controlled by CCU front switch or optional foot switch), still image / live image can be exchanged	
Image Level Indicator	7 steps (by LED display on CCU)	

Front & Rear Panel

Front Panel

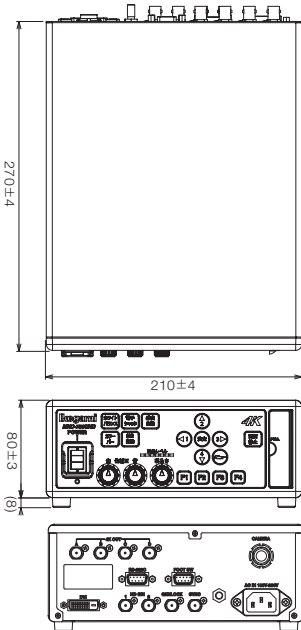


Rear Panel

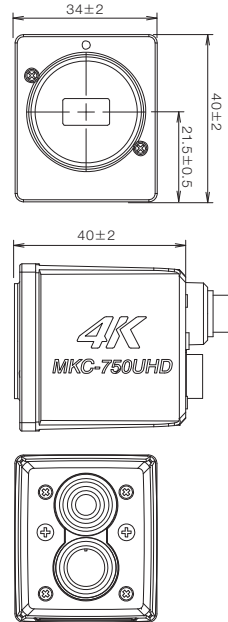


Dimensions (Unit:mm)

CCU



Camera Head



ACCESSORIES

Surgery Microscope Adaptor

CFA-400R
Focus/Remote control



CFA-400



Other Accessories

Camera cable
Single : MCGHPP-050 (5m)
Single : MCGHPP-070 (7m)
Combination : MCGHPP-050 (5m) +
MCGCJP-100 (for extension 10m)



Dual Foot Switch
OFLTV-SP



ISO 9001 Certified JQA-0755
ISO 14001 Certified JQA-EM3888

U386A1711-SELF

Design and specifications are subject to change without notice.

Ikegami Tsushinki Co.,Ltd.

URL : www.ikegami.co.jp/en/

- Head Office : 5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, JapanTEL.+81-(0)3-5700-1111 / FAX.+81-(0)3-5700-1137
- Overseas Sales Division : 5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, JapanTEL.+81-(0)3-5700-4117 / FAX.+81-(0)3-5748-2200
- Beijing Office : Room No.307 Tower B, Jia Tai International Mansion No.41East Fourth Ring Road, TEL.+86-(0)10-85710350 / FAX.+86-(0)10-85711804
Chaoyang District, Beijing China

Ikegami Electronics (U.S.A.), INC.

URL : www.ikegami.com

- Headquarters : 300 Route 17 South, Mahwah, NJ 07430, U.S.A. TEL.+1-201-368-9171 / FAX.+1-201-569-1626

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
- U.K. Branch : 1 Windmill Business Village, Brooklands Close, Sunbury on Thames, TW16 7DY, England... TEL.+44-(0)1932-769700 / FAX.+44-(0)1932-769710

Ikegami Electronics Asia Pacific Pte.Ltd.

URL : sg.ikegami.co.jp

- Headquarters : 1 Tampines Central 5, #03-03 CPF Tampines Building, Singapore 529508TEL.+65-6260-8820 / FAX.+65-6260-8896