Ikegami

4K

# MKC-X800

NATIVE 4K MEDICAL GRADE CAMERA

## VALUE FOR THE NEXT GENERATION



ACTUAL SIZE

Visible Beyond

# MKC-X800 4K

NATIVE 4K MEDICAL GRADE CAMERA


MKC-X800 is the beginning of Ikegami's new camera generation for 4K resolution. MKC-X800 is a 4K-native progressive-scan 1-CMOS model with an ultra-compact head designed to be operated from a remote CCU.Features include ultra-high resolution, sophisticated GUI and single cable 4K output.

## Excellent Image Quality with 4K Native Sensor

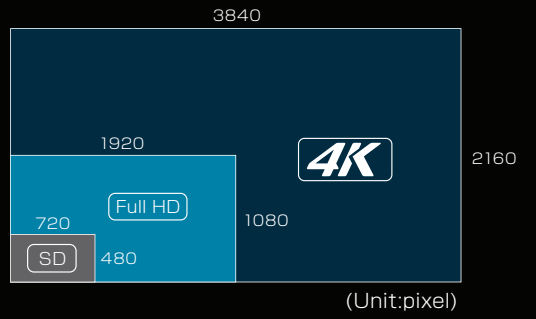
The 4K native sensor provides excellent video image quality. It produces superb resolution (1800TV lines horizontal resolution) and low picture noise (58dB S/N).

## Touch Panel and Sophisticated GUI

Ikegami has developed a sophisticated and userfriendly new GUI design for the CCU (Camera Control Unit) touch panel. The GUI provides easier understanding and easier operation.

## 12G-SDI Output Possibility

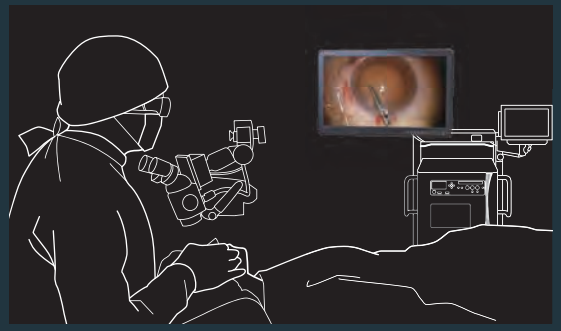
MKC-X800 provides 4K output in 12G-SDI. This signal format comes from the professionel broadcast sector and allows 4K connection over a single coax cable for long distances (Maximum 50m) without signal quality loss.




## EXTRA-VALUE IN 4K IMAGE

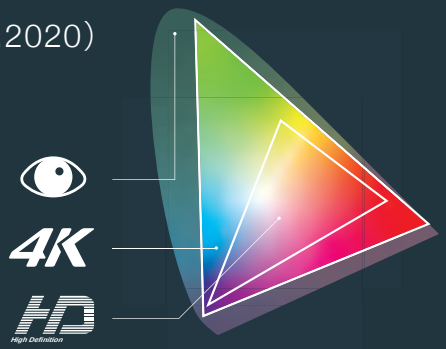
### Ultra High Resolution

4K imaging technology allows identification of fine structures with greater precision that can lead to high quality Heads-up surgery.



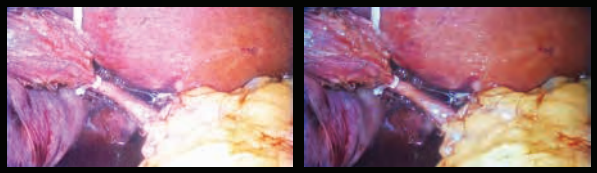
### Wide Color Gamut (BT.2020)

Higher color reproductivity displaying, for example, very fine detail such as small veins to help specify the blood point.



## HDR Mode

HDR Mode delivers wide dynamic range reproduction of the video.This function ensures that high quality display extends both to dark and bright areas of the image.



OFF ON

## Various Image Outputs

MKC-X800 provides various 4K outputs as 12G-SDI (or 3G-SDI x4) or HDMI2.0. 4K and HD(1080p/1080i) images can be output simultaneously. It also matches the existing HD system.

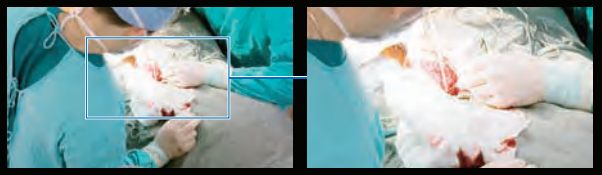

MKC-X800 Rear Panel

## Multi-Language Support

As a state-of-the-art global medical device, the camera's GUI and OSD menu both support English, German, French and Spanish multi-language.

## Digital Zoom

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



## Color Correction Function

The color correction is much easier by using the newly designed rotary switch.The precise color adjustment is also available by tuning 16 axes of the color gamut in both hue and saturation.

OFF ON

## Versatility

Line Mix Mode can increase the sensitivity to two times while maintaining 1800 TV lines of ultra high definition video resolution.By activating the High Sensitivity Mode, total sensitivity can be enhanced as much as four times greater than normal.Not only for normal operations, but also suitable for light sensitive situations.

## Compact and Lightweight Camera Head

The MKC-X800 has a very compact and lightweight 4K native camera head.


## Name-Editable Scene File

4 scene files are provided to store pre-set memories of various control functions for convenient use. The name of each scene file is editable by touch panel operation.

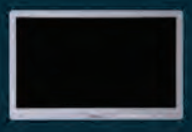
## Antibacterial Coating

The camera head and CCU are coated to improve infection control.

## 3D Master-Slave Control for Heads-up Surgery (HUS)

By setting up two cameras as master and slave, the slave camera will automatically follow the control of master camera. This function is ideal for use in a Heads-up Surgery system.

ACCESSORIES



### MLW-2750UHD

27-inch Medical Grade 4K UHD Color Monitor

### CFA-400

Surgical Microscope Adaptor

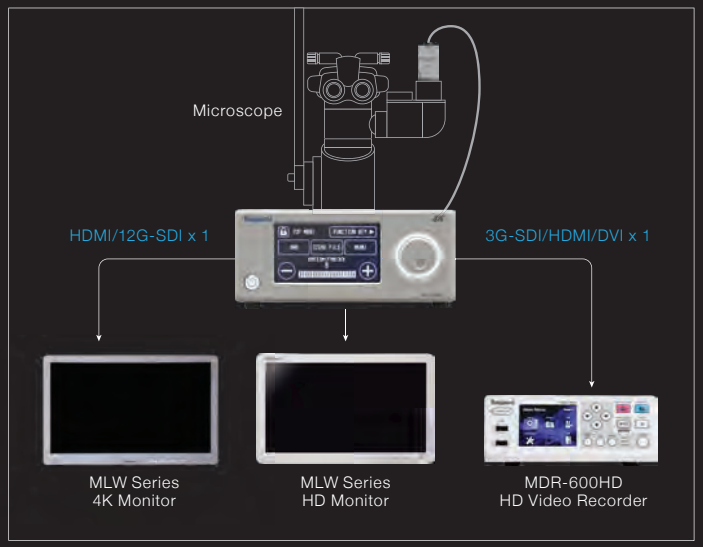
### OFLTV-SP

Dual Foot Switch

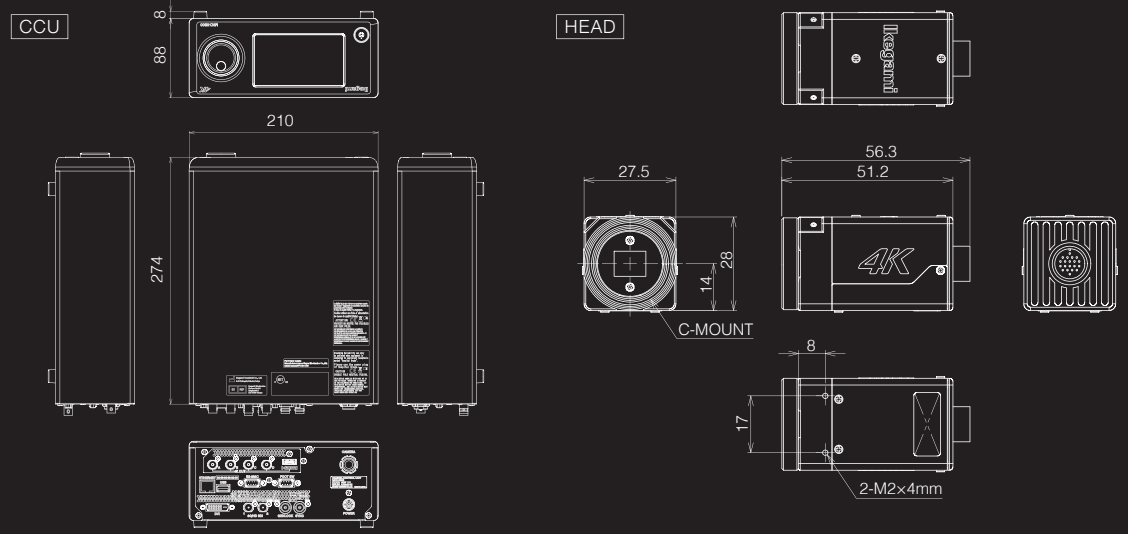
### 10m Extension Cable

(to be used with standard 5m Camera Cable)

## System Example




## Dimentions (Unit:mm)




## Ratings/Performance MKC-X800

| | |
|---|---|
| Image Pickup Device | 1/2.52 inch 4K native sensor |
| Lens Mount | C mount |
| Effective Pixels | 3840 x 2160 |
| Sensitivity | F8 at 2000lx/3200K, Line Mix ON |
| Output Signal | 4K: HDMI2.0 ,12G-SDI or 3G-SDI x4 |
| | HD: 3G-SDI, DVI, HDMI |
| Input Signal | RS-232C, Foot Switch |

| | |
|---|---|
| Camera Cable | 5m, 5+10m |
| Power Consumption | 50W or less |
| Weight | Head 80g or less |
| | CCU 3.0kg or less |
| Dimensions | Head W27.5 x H28.0 x D51.2mm |
| | CCU W210 x H88 x D274mm |

| | |
|---|---|
| Functions | Auto Functions (Gain,White balance, Shutter, Knee), Slow Shutter, High Sensitivity Mode (Pixel mix, Line mix, Pixel/Line mix) , Detail Enhancement,16 axes Color Correction, Digital zoom (Max. x4), Flip & Mirror, etc. |

Design and specifications are subject to change without notice.

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