### Specifications

#### Front & Rear Panel

- **Dimensions (Unit:mm)**
  - **CCU**: W34 × H40 × D40mm (excluding protrusions)
  - **Camera Head**: W210 × H80 × D270mm (excluding protrusions)

#### Performance

- **Input Section**
  - **Rating**: +4.0V~ -6.0V

#### Optical System

- **Optics**: RGB prism

#### Image Pickup Device

- **Image Pickup Device**: 1/3-inch, CMOS x 3

#### Lens Mount

- **Lens Mount**: C-Mount

#### Output Signals

- **Signal**: 4K

#### External Reference

- **Camera cable (option)**
  - Single: MCCGHPP-050 (5m)
  - Single: MCCGHPP-070 (7m)
  - Combination: MCCGHPP-050 (5m) + MCCGCJP-100 (for extension 10m)

#### Camera Head

- **Function**
  - **Electronic Shutter**: Manual, 1/100~1/10000
  - **Auto White Balance**: Auto
  - **Auto Gain Control**: Auto
  - **Auto Iris Control**: Auto
  - **Electronic Shutter**: Manual, 1/100~1/10000
  - **Auto Focus**: Manual / Auto
  - **Auto Focus Lock**: Manual, 1/100~1/10000
  - **Auto Iris**: Manual
  - **Image Correction Functions**: Shading, DTL, Flare, Auto knee
  - **Scene File**: Built-in, still image / live image can be exchanged
  - **Digital Zoom**: Manual, 1.1x - 4x
  - **Color Bar**: Available via CCU front switch
  - **Color Correction**: R-channel / B-channel correction available via CCU front switch

#### Camera Control Unit

- **Performance**
  - **Gain**: -9dB~24dB (3dB steps)
  - **Auto White Balance**: Auto
  - **Auto Gain Control**: Auto
  - **Auto Iris Control**: Auto
  - **Auto Knee**: Automatic Functions
  - **Internal Functions**: Scene file, still image / live image can be exchanged

#### Camera Dimensions

<table>
<thead>
<tr>
<th>Function</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>W34 × H40 × D40mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>100g approx.</td>
</tr>
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<td><strong>Camera Head</strong></td>
<td>W210 × H80 × D270mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>3kg or less</td>
</tr>
</tbody>
</table>

#### High Resolution 4K Camera

**MKC-750UHD**

**Superior Picture Quality**

**High Resolution 4K Camera**

**COMPACT AND LIGHTWEIGHT**

**4K Resolution**

**Ikegami**

**Design and specifications are subject to change without notice.**

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**Ikegami Taushinti Co., Ltd.**
- **Head Office**: 5-1-16, Higashi, Shibuya, Tokyo 150-0046, Japan
- **Overseas Sales Office**: 5-11, 2F Bungo, Otemachi, Tokyo 100-0006, Japan

**Ikegami Electronics (Europe) GmbH**
- **Headquarters**: 37 DINGO AVENUE, MAYWOOD, NJ 07607, U.S.A.
- **Headquarters, Ikegami (Europe)**: 37 DINGO AVENUE, MAYWOOD, NJ 07607, U.S.A.

**Ikegami Electronics Asia Pacific Pte., Ltd.**
- **Headquarters**: 1 Temasek Central, M05-02 ICF Temple Building, Singapore 039100
- **Headquarters**: 57 DINGO AVENUE, MAYWOOD, NJ 07607, U.S.A.

**Ikegami Haarlem, The Netherlands**
- **Headquarters**: 25-25, 2F, JASMA, STA SLOVENOED, Haarlemmermeer, The Netherlands
- **Headquarters**: 25-25, 2F, JASMA, STA SLOVENOED, Haarlemmermeer, The Netherlands

**Ikegami Electronics (UK) Ltd.**
- **Headquarters**: 44-45, 2F, JASMA, STA SLOVENOED, Haarlemmermeer, The Netherlands
- **Headquarters**: 44-45, 2F, JASMA, STA SLOVENOED, Haarlemmermeer, The Netherlands


**URL**: [http://www.ikegami.com](http://www.ikegami.com)

**URL**: [http://www.ikegami.de](http://www.ikegami.de)

**URL**: [http://www.ikegami.com](http://www.ikegami.com)
High Resolution 4K Camera
MKC-750UHD

4K 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).

Quarter (1/4) video capture for full HD (1920x1080) display

High Sensitivity
When providing 4K resolution, the MKC-750UHD has high sensitivity at F11 (LINE MIX ON) at 2000 lx.

Various Image Outputs
The CCU outputs digital HD signals (HD-SDI and DVI), as well as, a 4K signal.

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

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.

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

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.

Antibacterial Coating
The camera head and CCU (camera control unit) are coated to improve infection control.

ACCESSORIES

Surgery Microscope Adaptor
CFA-400

Focus/Remote control

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

Dual Foot Switch
DFLTSP-SP

Other Accessories

4K (3840x2160) delivers four times as much detail as Full HD (1920x1080), providing high quality images as real as seen by the human eye. Especially on a big screen, it reproduces images superior to Full HD.

COMPACT AND LIGHTWEIGHT

Compact and Lightweight Camera Head

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

About 4K

4K (3840x2160) delivers four times as much detail as Full HD (1920x1080), providing high quality images as real as seen by the human eye. Especially on a big screen, it reproduces images superior to Full HD.
High Resolution 4K Camera
MKC-750UHD

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CFA-400
Focus/Remote control
Camera cable
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Combination : MCCGHPP-050 (5m) + MCCGCJP-100 (for extension 10m)

Other Accessories
Dual Foot Switch
OFLTV-SP

ABOUT ACCESSORIES

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<td>CFA-400</td>
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Dual Foot Switch
OFLTV-SP
Specifications

### Front & Rear Panel

#### Front Panel

- Dimensions (Unit:mm):
  - Camera Head: 244 x 244 x 80
  - Camera Control Unit (CCU): 184 x 244 x 80

#### Rear Panel

- Dimensions (Unit:mm):
  - Camera Head: 244 x 244 x 80
  - Camera Control Unit (CCU): 184 x 244 x 80

### Dimensions (Unit:mm)

#### Camera Head

- Dimensions: 244 x 244 x 80
- Weight: approx. 100g

#### Camera Control Unit (CCU)

- Dimensions: 184 x 244 x 80
- Weight: approx. 3kg or less

### Performance

#### Resolution

- 4K (UHD)

#### S/N

- 58dB (Gamma/Detail OFF)

#### Sensitivity

- 2000 lx F11 /3200K or more (LINE MIX ON)

#### RGB Prism

- 1/3-inch, CMOS x 3

#### Output Signals

- HDTV HDTV Tri-Sync 1ch

#### Camera Cable (Option)

- Single: MCCGHPP-050 (5m)
- Single: MCCGHPP-070 (7m)
- Combination: MCCGHPP-050 (5m) + MCCGCJP-100 (for extension 10m)

### Power Requirement

- AC 100V - 230V ±10% 50/60 Hz
- 29W

### Power Consumption

- 3840 × 2160p
- 1920 × 1080i/p
- 1/4, 1/8, 1/15, 1/30 field/sec

### Camera Head

- W34 × H40 × D40mm (excluding protrusions)
- 1/100~1/10000

### Camera Control Unit (CCU)

- Built-in (Controlled by CCU front switch or optional foot switch), still image / live image can be exchanged
- 1.1x - 4x

### Automatic Functions

- Auto White Balance
- Auto Gain Control
- Auto Iris Control
- Auto Knee
- Shading Correction, DTL Correction, Flare Correction

### Scene File

- Built-in (Controlled by CCU front switch or optional foot switch), still image / live image can be exchanged

### Image Level Indicator

- digitally LED display on CCU

### Compact and Lightweight

- High Resolution 4K Camera
- Superior Picture Quality

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**Regami Tsushinki Co., Ltd.**

- Head Office: 5-14-8, Honcho, Oshiage, Toyosu 146-4657, Japan
- Overseas Sales Office: 5-12, Business Village, Brooklands Close, Sonning on Thames, WHP 9TD, England

**Regami Electronics Asia Pacific Pte. Ltd.**

- Head Office: 11 Tampines Central, 80-01 City Tampines Hub, Singapore 428983
- URL: http://reg.ikegami.com

**Regami Electronics (U.S.A.), Inc.**

- Head Office: 57 ERIKA AVENUE, MAYSWOOD, NJ 07662, U.S.A.
- URL: http://www.ikegami.com

**Regami Electronics (Europe) GmbH**

- Head Office: Regami Street 1, 57148 Mons, Germany
- URL: http://www.ikegami.de

**Regami Electronics**

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