



# IK-HD5UM

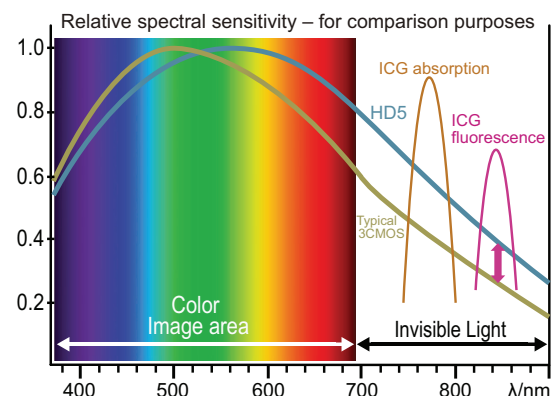
Rated for Medical Use *HD Video Camera*



CANON MEDICAL SYSTEMS USA, Video Sensing Division introduces the latest 3-CMOS, full-HD, progressive scan camera innovation which meets IEC60601 3rd edition requirements for use in various medical and surgical imaging applications.

The new **IK-HD5UM** configuration features DVI-D and USB 3.0 outputs and is adapted for use in various non-patient contact, non-diagnostic imaging applications including surgical microscopy, surgical light camera integration or surgical room monitoring and surveillance.

**Three-chip performance** provides exceptional sensitivity, accurate color reproduction and sharp details through Canon's proprietary prism-block technology. Use the camera to provide real-time, incredibly detailed reference images for education, documentation and in-room surgical staff. The IK-HD5UM offers improved sensitivity in near IR spectrums supporting applications which use fluorescing agents such as ICG.



Incorporating Canon's innovative three-chip technology, the IK-HD5 provides approximately 3dB increased sensitivity in the near-infrared spectrum through 700-870 nm. When equipped with the appropriate optics and filters, the IK-HD5 can be used for both visible light and near IR imaging applications such as indocyanine green (ICG) and other fluorescing agents.

# IK-HD5UM

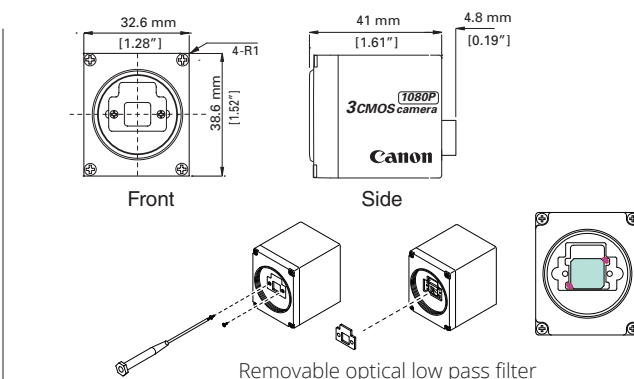
Rated for Medical Use **HD Video Camera**

## Camera Head Specifications

### IK-HD5H

|                       |   |
|-----------------------|---|
| Image Sensor          | 3-CMOS, 1/2.9 inch, 2.1MP progressive   |
| Output Resolution     | Horizontal : 1920, Vertical : 1080  |
| Resolution :H<br>:V   | 1000 TV lines standard<br>1000 TV lines standard  |
| Sensitivity           | F10 standard (59.94 Hz setting)<br>F11 standard (50 Hz setting)<br>(at 2000 lx, 3000 K)   |
| Minimum Illumination  | 4.8 lx (59.94 Hz setting)<br>4.0 lx (50 Hz setting)<br>at F2.2, 20 dB, BINNING: ON<br>9.6 lx (59.94 Hz setting)<br>8.0 lx (50 Hz setting)<br>at F2.2, 20 dB, BINNING: OFF |
| S/N Ratio             | 56 dB standard<br>AGC: OFF, Gamma: OFF, Enhance: OFF  |
| Operating Temperature | 0 °C to 40 °C / 32 °F to 104 °F   |
| Operating Humidity    | Less than 90% (non-condensing)  |
| Weight                | Approx. 93 g (3.3 oz)   |
| Dimensions            | W: 32.6 mm H: 38.6 mm D: 41 mm<br>(1.28" x 1.52" x 1.61")<br>Protruding portion is not included   |

## Camera Head Exterior Dimensions



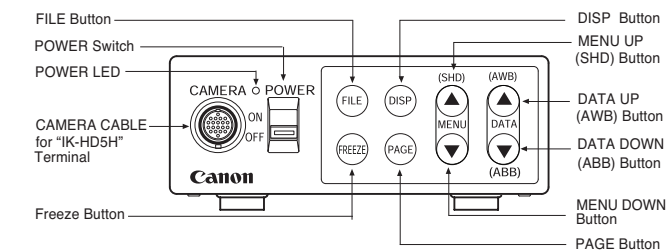
## Controller Specifications

### IK-HD5UM

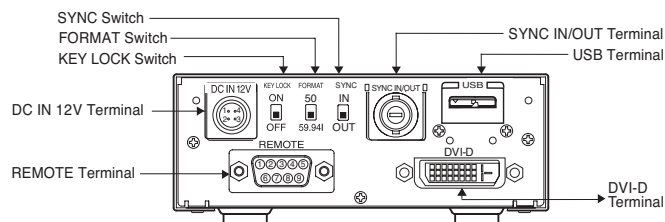
|                       |  |
|-----------------------|--|
| Power Supply          | 12V DC±10%   |
| Power Consumption     | 11.6 W   |
| Scanning System       | Progressive / Interlaced (Selectable)  |
| Scan Frequency        | H: 67.433 kHz, V: 59.94 Hz :1080p / 59.94 Hz<br>H: 56.250 kHz, V: 50 Hz :1080p / 50 Hz<br>H: 33.716 kHz, V: 59.94 Hz : 1080i / 59.94 Hz<br>H: 28.125 kHz, V: 50 Hz : 1080i / 50 Hz |
| Operating Temperature | 0 °C to 40 °C / 32 °F to 104 °F  |
| Operating Humidity    | Less than 90% (non-condensing)   |
| Weight                | Approx. 850 g (1.9 lbs.)   |
| Dimensions            | W: 110 mm, H: 40 mm, D: 186 mm<br>(4.33" x 1.58" x 7.32")  |
| Scene Files           | 5 User-configurable scene files  |
| White Balance         | Auto / Manual (Selectable)   |
| Gain                  | Auto (-15dB to 20dB); Manual (-15dB to 20dB), OFF  |
| Output Signal         | DVI-D / USB Micro-B<br>1920 x 1080/59.94fps max. USB3.0<br>1920 x 1080 10fps max. USB2.0   |
| Electronic Shutter    | Auto / Manual (OFF 1/60 - 1/10,000) / Syncro Scan  |

## Controller Front and Back Panels

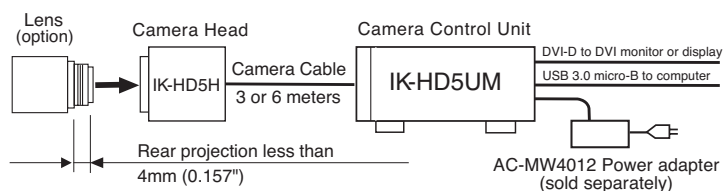
### IK-HD5UM FRONT



### IK-HD5UM REAR



## Connection



**Canon**

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https://us.medical.canon/vsd | 2441 Michelle Drive, Tustin California 92780

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VSHD5UM 093019 v5

## System Components

For further details, contact your Canon ME/FA distributor.

### CAMERA HEAD

IK-HD5H

### CAMERA CABLE

| Model           | Length |
|-----------------|--------|
| EXC-3HD03       | 3 m    |
| EXC-3HD06       | 6 m    |
| Power Adapter   |        |
| AC-MW4012 12VDC |        |

### CAMERA CONTROL UNIT

IK-HD5UM DVI-D / USB3.0 Micro-B