



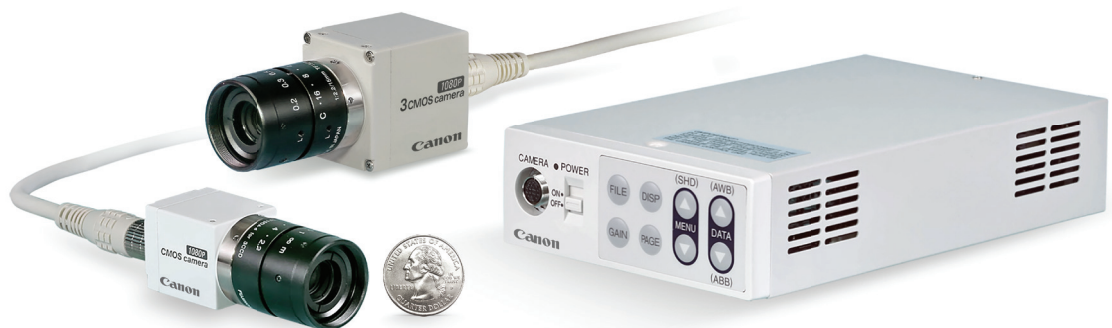
## IK-HD3H & IK-HR3H

3-CMOS & 1-CMOS *HD Video Cameras*



CANON MEDICAL SYSTEMS USA, Video Sensing Division introduces two feature-rich progressive scan, 1080p, high-definition CMOS cameras, each interchangeable with the IK-HD3D controller. The ultra-compact 2.1MP 3-CMOS and 1-CMOS cameras offer expanded user-controlled features for optimal color accuracy and high resolution, with advanced noise reduction technology.

**Two head sizes** and video performance characteristics provide flexibility to fit diverse applications, mechanical considerations and budgets.



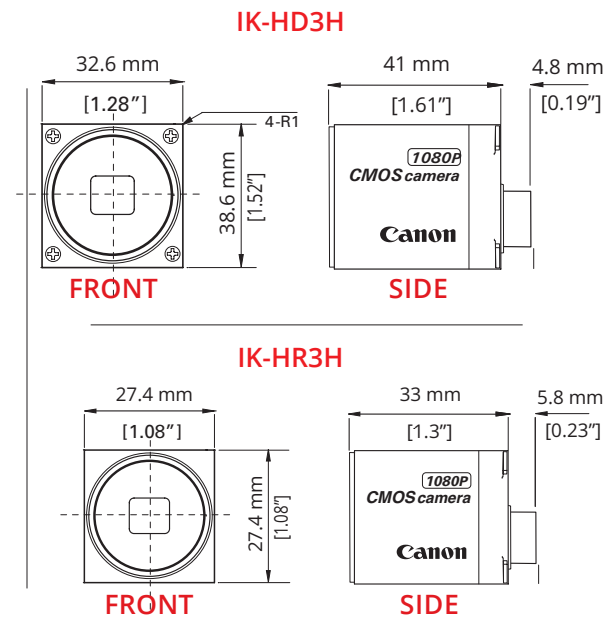
# IK-HD3H & IK-HR3H

3-CMOS & 1-CMOS HD Video Cameras

## Camera Head Specifications

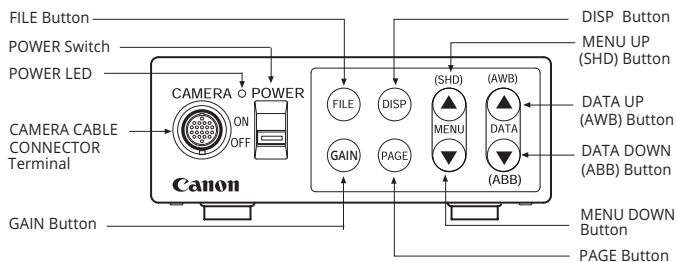
	IK-HD3H	IK-HR3H
Image Sensor	3-CMOS, 1/3 inch, 2.1MP progressive	1-CMOS, 1/3 inch, 2.1MP progressive
Output Resolution	Horizontal : 1920, Vertical : 1080	Horizontal : 1920, Vertical : 1080
Resolution : H : V	1000 TV lines standard 1000 TV lines standard	900 TV lines standard 900 TV lines standard
Sensitivity	F10 standard (59.94 Hz setting) F11 standard (50 Hz setting) (at 2000 lx, 3000 K)	F7 standard (59.94 Hz setting) F7.7 standard (50 Hz setting) (at 2000 lx, 3000 K)
Minimum Illumination	4.8 lx (59.94 Hz setting) 4.0 lx (50 Hz setting) at F2.2, 20 dB, BINNING: ON 9.6 lx (59.94 Hz setting) 8.0 lx (50 Hz setting) at F2.2, 20 dB, BINNING: OFF	9.9 lx (59.94 Hz setting) 8.2 lx (50 Hz setting) at F2.2, 20 dB, BINNING: ON 19.8 lx (59.94 Hz setting) 16.3 lx (50 Hz setting) at F2.2, 20 dB, BINNING: OFF
S/N Ratio	56 dB standard AGC: OFF, Gamma: OFF, Enhance: OFF	56 dB standard AGC: OFF, Gamma: OFF, Enhance: OFF
Ambient Temperature	0°C to 40°C / 32°F to 104°F	0°C to 40°C / 32°F to 104°F
Ambient Humidity	Less than 90%	Less than 90%
Weight	Approx. 93 g (3.3 oz)	Approx. 34 g (1.2 oz)
Dimensions	W: 32.6 mm H: 38.6 mm D: 41 mm (1.28" x 1.52" x 1.61") Protruding portion is not included	W: 27.4 mm H: 27.4 mm D: 33 mm (1.08" x 1.08" x 1.3") Protruding portion is not included

## Camera Head Exterior Dimensions

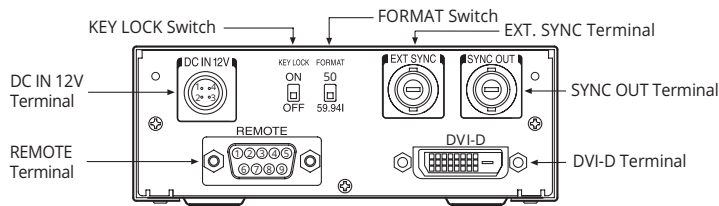


## Controller Front and Back Panels

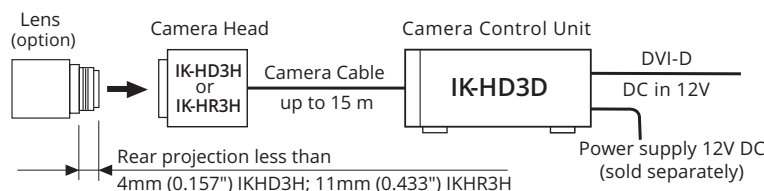
### IK-HD3D FRONT



### IK-HD3D REAR



## Connection



## IK-HD3D

## Controller Specifications

Power Supply	12V DC±10%
Power Consumption	11.4 W
Scanning System	Progressive / Interlaced (Selectable)
Scan Frequency	H: 67.433 kHz, V: 59.94 Hz : 1080p / 59.94 Hz H: 56.250 kHz, V: 50 Hz : 1080p / 50 Hz H: 33.716 kHz, V: 59.94 Hz : 1080i / 59.94 Hz H: 28.125 kHz, V: 50 Hz : 1080i / 50 Hz
Ambient Temperature	0°C to 40°C / 32°F to 104°F
Ambient Humidity	Less than 90%
Weight	Approx. 610 g (1.34 lbs.)
Dimensions	W: 110 mm, H: 40 mm, D: 186 mm (4.33" x 1.58" x 7.32")
Scene Files	5 User-configurable scene files
White Balance	Auto / Manual (Selectable)
Gain	Auto (0 - 20 dB); Manual (-3 - 20 dB), OFF
Output Signal	DVI-D
Electronic Shutter	Auto / Manual / OFF 1/60 - 1/10,000

Complies to FCC Part 15 Subpart B, Class A; EN61000-6-4, EN61000-6-2

## System Components

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

### CAMERA HEAD

IK-HD3H
IK-HR3H

### CAMERA CONTROL UNIT

IK-HD3D
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### CAMERA CABLE

Model	Length
EXC-3HD03	3 m
EXC-3HD06	6 m
EXC-3HD10	10 m
EXC-3HD15	15 m



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