

Canon

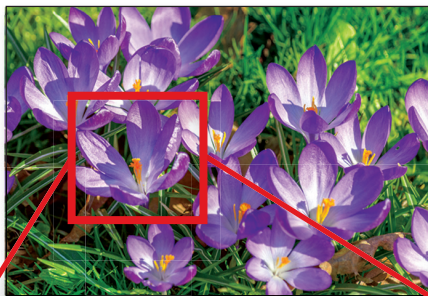
IK-4K

UltraHD 4K Video Camera



CANON MEDICAL COMPONENTS U.S.A. Video Sensing Devices introduces the ultra-compact 3-chip UltraHD 4K video camera providing 8MP 3840 x 2160 output and up to 1600 TV lines of resolution. Video output is switchable between 4K, 1080p and 1080i formats. Due to its small size the IK-4K is ideal for live event broadcast or healthtech applications where 4K performance is crucial.

The **IK-4K camera** features quad 3G/HD-SDI 59.94/50Hz output, and incorporates advanced image processing through 12-channel color matrix adjustment and 5 user-defined settings files, providing unprecedented color accuracy and incredible resolution. C-mount lens mount compatible.



UltraHD 3840 x 2160 format provides 4x the pixel data of 1080p, resulting in incredibly sharp details and higher resolution. (Simulated images are for illustration purposes only.)

HD 1080p
1920 x 1080

UHD 2160p
3840 x 2160



IK-4K

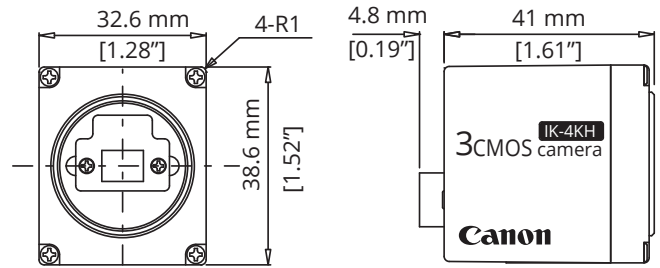
UltraHD 4K Video Camera

Camera Head Specifications

IK-4K

| | |
|-----------------------|---|
| Image Sensor | 3-CMOS, 1/2.9", progressive |
| Output Matrix | Horizontal: 3840, Vertical: 2160 UHD 4K mode Horizontal: 1920, Vertical: 1080 HD 1080p/1080i |
| Output Resolution H/V | 1600 TV lines standard UltraHD 4K mode 1000 TV lines or more 1080p/1080i modes |
| Sensitivity | F5.6 standard (59.94 Hz setting) F6.1 standard (50 Hz setting) (at 2000 lx, 3000K) |
| Minimum Illumination | 19.5 lx (59.94 Hz setting) 16.2 lx (50 Hz setting) at F2.2, 24 dB |
| S/N Ratio | 58 dB standard AGC: OFF, Gamma: OFF, Enhance: OFF Color matrix: OFF, Color temp: 5600K |
| Operating Temperature | 0°C to 40°C / 32°F to 104°F |
| Operating Humidity | Less than 90% (non-condensing) |
| Weight | Approx. 70 g (2.5 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 |

Camera Head Exterior Dimensions



Controller Specifications

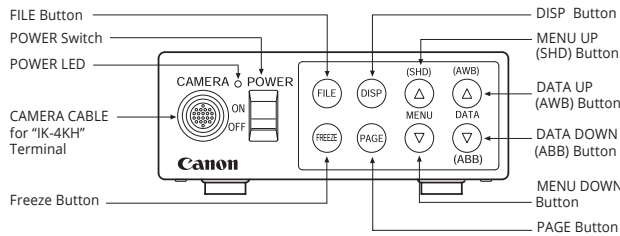
IK-4KE

| | |
|-----------------------|--|
| Power Supply | 12V DC±10% |
| Power Consumption | 13.8 W |
| Scanning System | Progressive / Interlaced (Selectable) |
| Scan Frequency | H: 67.433 kHz, V: 59.94 Hz :1080p / 59.94 Hz 4K / 59.94 Hz 4 division output H: 56.250 kHz, V: 50 Hz :1080p / 50 Hz 4K / 59.94 Hz 4 division output H: 33.716 kHz, V: 59.94 Hz : 1080i / 59.94 Hz 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. 800 g (1.76 lbs.) |
| Dimensions | W: 110 mm, H: 40 mm, D: 196 mm (4.33" x 1.58" x 7.72") |
| Scene Files | 5 User-configurable scene files |
| White Balance | Auto / Manual (Selectable) |
| Gain | Auto (-6 dB to 24 dB); Manual (-6 dB to 24 dB), OFF |
| Output Signal | 4x 3G/HD-SDI |
| Electronic Shutter | Auto / Manual / OFF 1/60 - 1/10,000 |

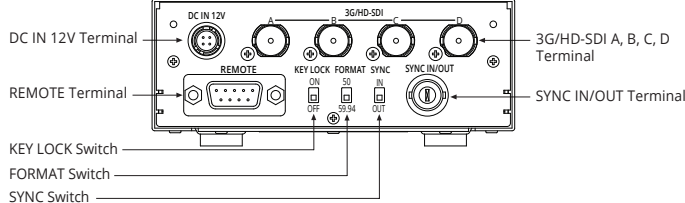
Complies to FCC Part 15 Subpart B, Class A, EN61000-6-4, EN61000-6-2
Canon environmental management exceeds RoHS

Controller Front and Back Panels

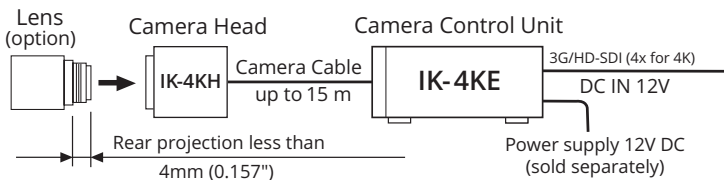
IK-4KE FRONT



IK-4KE REAR



Connection



System Components

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

CAMERA HEAD

IK-4KH

CAMERA CABLE

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

CAMERA CONTROL UNIT

IK-4KE



CANON MEDICAL COMPONENTS U.S.A., INC. Video Sensing Devices
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