A High End System Camera
Setting a New Standard in
4K/HD HDR Acquisition

AK-UC4000
4K Studio Camera
A 4K studio camera with high video quality. Compatible with a 2/3 lens mount and contains a newly developed large 4.4K sensor.

This camera offers the high video quality that is only possible with a large sensor, along with a wide range of 4K acquisition with the latest functions such as HDR (HLG), BT.2020 and high-speed shooting*1. The camera keeps up with diversifying systems with features such as 12G-SDI, TICO*2, over SDI (4K over 3G-SDI) output and MoIP*3, making it suitable not only for studio production but for a wide range of operations such as sports and events. With high video quality and a system that can be adapted to various situations, this camera provides the level of high-end production that is needed in the 4K age.

Large 4.4K sensor

With a newly developed 4.4K sensor, it realizes ultra-high-definition resolution, high sensitivity, low noise and a wide dynamic range.

B4 mount

The 2/3 lens can be used without an external adapter, and the internal lens is specially designed for large sensors, ensuring high video quality. This new acquisition method maximizes the effectiveness of incident light.

2000-TV line resolution

Beyond 4K sampling achieves a resolution of 2000 TV lines in the horizontal and vertical directions for a richly detailed picture of a wide range of subjects in a variety of settings.

Supports 3 levels of high-speed output* in HD mode

High-speed capture at 1080p, 1080i and 720p is available for sports and other active settings. This feature achieves a richly detailed picture even for fast-moving subjects. 2x, 3x or 4x output can be selected for compatibility with various slow-motion servers.

* When in HD Hi-Speed mode.

Future proof infrastructure in AK-UCU600 (CCU)

This camera supports the uncompressed 12G-SDI output that is needed in the 4K age and enables 4K video to be transferred with one cable. Light compression technology called TICO*1 is also used, enabling 4K video to be sent by 3G-SDI without losing video quality, so that the current HD infrastructure can be used in 4K systems. Also compatible with V-Log Gamma output*2. Furthermore, the IP/12G/3G Interface Kit AK-NP600G (optional accessory) can be equipped for SMPTE ST2110 support*3.

*1: A codec developed by intoPIX. Stands for "Tiny Codec".
*2: Use requires the latest software version update. For more details, please see "Service and Support/ PASS" on the following website (https://pro-av.panasonic.net/en/).
*3: See page 5 for details.
High-quality video and excellent operability

With the AK-UCU600 Camera Control Unit (CCU), uncompressed long-distance transmission of 4K/HD video signals via optical fiber is supported. The AK-HRP1000GJ/1005GJ Remote Operation Panels (ROP) are equipped with a color LCD display that provides excellent visibility and functions for quick response. This system achieves high-quality video and excellent operability. In cases where power is supplied by the CCU, it is possible to transmit at a long distance of up to approx. 2,000 m between the camera and the CCU. The distance can be extended up to 10,000 m*1 by providing a local power supply at the camera head and using general-purpose single mode optical fiber. Between the CCU and the ROP, in addition to a dedicated serial line, IP connection via LAN cable is also supported.

High sensitivity and low noise

The AK-UC4000 is equipped with a newly developed large-format 4.4K MOS sensor. Two shooting modes can be selected. In High Sense Mode, it is possible to obtain an S/N ratio of 62 dB*2 or higher while also achieving F10 high sensitivity. The result is low-noise and high-image-quality video.

Skew reduction realized through high-speed scans

This camera’s normal and low skew reading speeds are around 1/2 and 1/3 of those on a standard camera (1/60 of a second) respectively. The skewing characteristic of MOS sensors has been reduced by reading out the MOS sensor signal at high speed.

Chromatic Aberration Compensation (CAC)

This exclusive technology utilizes communication between the lens and camera to deploy for a sophisticated algorithm that will automatically compensate for the registration error caused by lens chromatic aberration, and minimize the circumjacent blur.*3

HDR (High Dynamic Range) support

This mode provides rich gradation to render contrast, color and shadow in dark image areas that could not previously be reproduced due to blackout, thus resulting in more realistic image quality. It supports a variable HDR by adjusting the high dynamic range. In addition, it is possible to configure a system supporting simultaneous HDR/SDR in order to handle production environments with both. SDR image can be adjusted over exposed by offset gain and knee function adjusts bright image as well as HDR.

ITU-R BT.2020

This camera is compatible with BT.2020, a color space that can recreate almost every color in the natural world, enabling a wider range of color expression.

Shockless gain

It is possible to smoothly transition the image changes that occur when gain is changed. In addition, with the 0.1 dB step master gain adjustment function, you can fine tune the adjustments to match the scene being shot.

AK-UC4000 Key Features

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*1: Adverse conditions, additional patching and longer runs will require repeater devices.
*2: During HD output.
*3: For software supporting Chromatic Aberration Compensation (CAC) file, please download from "Download/Software Download" on Panasonic website (https://pro-av.panasonic.net/en/)
**Diverse color correction functions**

In addition to EBU and NTSC preset color matrix, camera users can save two custom specified linear matrix tables, and additionally tune the saturation and hue individual colors with 12-pole color correction system. Specific skin tones can also be adjusted in addition to the primary secondary and tertiary colors in the 12-pole system.

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**Skin Tone Detail Correction**

Tone down wrinkles and blemishes in on air personalities to beautifully shoot natural skin tones. While designed to soften skin tones the skin tone detail feature can be applied to any hue phase so it could likewise be used to soften areas of other colors (such as green grass). The skin tone detail feature can define three independent skin tone ranges to manage different light levels or different people on camera. Skin-tone-get feature finds a specific color in frame to simplify the set up process.

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**Servo control ND / CC filters**

The cameras are equipped with filters for a variety of shooting environments. [ND filters] CAP, Through, 1/4, 1/16, 1/64 [CC filters] Cross, 3200 K, 4300 K, 6300 K, Diffusion

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**Focus assist functions**

Quick and accurate focusing is supported with focus assist functions such as Focus Bar (indicates focus level), Focus-in-Red (uses color to indicate areas in focus), MAG (magnifies central portion), and Square (shows focus status of screen as a whole). Lenses with auto focus and focus assist capabilities are also supported*1. The Remote Operation Panel (ROP) can also be used to focus and zoom while using the digital lens.

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**Camera standalone output formats**

For camera head output (HD-SDI 1/HD-SDI 2), it is possible to select 1080p, 1080i, and 720p.

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**Extensive video and data transmission (TRUNK) functions**

Since video and data can be transmitted between the camera and a Camera Control Unit (CCU) using optical fiber cable alone, system expansion to match operation conditions is possible.

- HD-SDI (CCU→camera) two lines, VBS (CCU→camera) two lines: Can be used for monitoring with prompter, fixed return or camera [studio floor monitor], etc.
- HD-SDI (camera→CCU) one line: This line can be used to transmit an additional video signal of a handheld or remote camera to the studio. Since the camera video input is equipped with a frame synchronizer, asynchronous video signals can also be used.
- LAN (1000BaseT) one line: To be used to control external devices and remote cameras by IP protocol. Transmission of streaming video is also supported.

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**Detailed settings and functions optimized for operability**

- Color temperature display and adjustment function (2000 K to 15000 K variable).
- Transmission of up to 10,000 m possible using single fiber.*2
- It is possible to save camera settings, such as video adjustments, on an SD memory card. Firmware version upgrades are also supported.
- A lens file function to save flare and shading values.
- Support for IP streaming and IP control.
- The NewTek Software “NewTek AutoLink for Panasonic PTZ”*3, which is available on the Internet, allows Panasonic professional cameras equipped with IP streaming to be automatically detected from NewTek TriCaster® and IP series Video Mix Engine on the network, enabling direct use of IP streaming from the cameras with these NewTek products.
- DC12 V 2.5 A and 1.0 A output as a standard feature. This can be used as a power source for large lenses, prompters, and sub-monitors.
- There are four user buttons (enabling function selection) on the camera head and four on the viewfinder. They support rapid shooting by the camera operator.

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**Intercom connection**

With two independent intercom lines, in addition to Intercom 1 and Intercom 2 switching, an Intercom 1 and 2 mix mode has been added and can be selected to observe the situation. With the Intercom front/rear switch and front volume, it is possible to adjust the intercom audio level even when the camera is being used from the shoulder.

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*1: For the compatible lenses, please contact the manufacturer.
*2: Adverse conditions, additional patching and longer runs will require repeater devices.
*3: For more details, please visit the following website(https://pro-av.panasonic.net/en/products/newtek_autolink/).
Camera System

AK-UCU600PJ/UCU600EJ
AK-UCU600PSJ/UCU600ESJ
Camera Control Unit (CCU)

The CCU supports not only UHD and HD simultaneous output, but also enables high-speed output\(^1\) up to 240p in HD mode to be performed simultaneously with standard (1x) output, while still having a compact size.

- Contains a dual UHD 12G-SDI system, and supports 3G-SDI Quad Link with quadrant or two-sample interleave.
- Optical fiber transmission of uncompressed video signals over a distance of approx. 2,000 m between camera and CCU\(^2\).
- The compact, lightweight unit measures 2U in height and is rack-mountable.

### Supported formats

| HD  | 1080/59.94p, 50p, 59.94i, 50i, 29.97p over 59.94i, 29.97p,
| HD High Speed*1 | 1080/59.94p-240fps, 180fps, 120fps, 1080/50p-200fps, 150fps, 100fps, 1080/59.94i-240fps, 180fps, 120fps, 1080/50i-200fps, 150fps, 100fps, 720/59.94p-240fps, 180fps, 120fps, 720/50p-200fps, 150fps, 100fps |

*1: When in HD Hi-Speed mode.
*2: When power is supplied from CCU.

### Optional accessory

**AK-NP600G**

IP/12G/3G Interface Kit

Optional IP kit for installation on the rear terminal of the AK-UCU600

- SMPTE ST2110 standard compliant
- Supported formats: 1080|59.94p, 50p, 59.94i, 50i, 720|59.94p, 50p
- The following input/output is supported:
  - CAMERA Output, RET Input, HD TRUNK Output, HD PROMPTER IN, AUDIO Output, INTERCOM, PGM Input, ST2059 (PTP), TALLY

The AK-NP600G installed on the rear terminal of the AK-UCU600

*12G two outputs, 3Gx4 one output or TICO one output in UHD mode: HD (3G/1.5G) four outputs and SFP+ (ST2110) two outputs are supported in HD mode.
* AK-NP600G (IP/12G/3G Interface Kit) does not support analog VBS input/output signals (OUT/PM OUT/RET IN).
* AK-UC4000 (4K Studio Camera) and AK-UCU600 (Camera Control Unit) firmware upgrades are required to install AK-NP600G (IP/12G/3G Interface Kit).
* Consult with your Panasonic dealer about AK-NP600G installation.
* Consult with your Panasonic dealer about AK-NP600G installation.
**AK-HRP1000GJ**

**AK-HRP1005GJ**

Two models: 1/4 rack size (AK-HRP1000GJ) and 1/5 rack size (AK-HRP1005GJ).

- LCD panels with enhanced visibility,
  - AK-HRP1000GJ: 8.9 cm (3.5 inches) (VGA)
  - AK-HRP1005GJ: 8.1 cm (3.2 inches) (VGA)

- Camera serial control and IP control (RI45 LAN cable) are possible.
- Supports PoE*2, which can supply power via LAN cable (CAT5e or faster).
- Functions for studio camera scene file registration and retrieval.
- Equipped with SD memory card slot for saving user files, scene file and updating firmware versions.
- Camera control is enabled via direct connection to the 4K Studio Camera.

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**AK-HVF100GJ**

22.9 cm (9 inches) LCD Color Viewfinder

- High-resolution 22.9 cm (9 inches) color LCD panel displays full HD 1920 x 1080 pixel
- Focus assist functions (Focus-in-Red, Focus Bar**1**)
- Detail depends on zoom ratio**1**
- External HD-SDI (3G-SDI) input
- External DC input (+12 V DC)
- Four assignable function buttons
- Contrast, brightness, and peaking are adjustable
- Pan, tilt, and lift structure used

**AK-MSU1000GJ**

Master Setup Unit (MSU)

Controls up to 99 CCU units via IP

- IP and serial connections supported.
  - IP connection: Up to 99 units
  - Serial connection: Up to six unit
- 17.8 cm (7 inches) Touch Panel LCD
- Video monitoring function
- HD-SDI Input (Monitoring) (1080i)
- Power: DC12V (DC10V - DC16V) or PoE+*2 (via PoE+ Hub)

**AK-HBU500GJ**

Build-up Unit

- Smooth camera mounting/removal possible
- Precise optical axis (horizontal/vertical) adjustment structure
- Rear control panel equivalent to that of a large camera
- DC OUT 12V 7.5 A (XLR4-pin)/DC OUT 1.5 A (4-pin)

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*1: Use requires the latest software version update. For more details, please see "Service and Support/PASS" on the following website(https://pro-av.panasonic.net/en/).

*2: Abbreviation of Power over Ethernet.

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* It may require to replace lens mount parts at using a specific 4K lens. Please contact your dealer for more details.
Camera System

Other accessories

**AK-HVF70G**
- 17.8 cm (7 inches) LCD Color Viewfinder
- *Limited Stock

**AJ-CVF50G**
- 38.1 mm (1.5 inches) HD EVF

**AJ-HVF21KG**
- 50.8 mm (2 inches) HD EVF
- 59.94 Hz/50 Hz switchable
- Not available in some areas.

**AG-CVF15G**
- 87.6 mm (3.45 inches) Color HD EVF
- Open two ways for LCD monitor viewing

**AK-HVF75G**
- NEW
- 17.8 cm (7 inches) LCD Color Viewfinder

**AJ-MC700P**
- Microphone Kit (monaural)

**AW-PS551**
- AC Adaptor

**SHAN-TM700**
- Tripod Adaptor

**AJ-C10050G**
- Remote Control Cable (50 m / 164 feet)

System Configuration

1. **AJ-MC700P** Microphone
2. **AJ-CVF50G** HD EVF
3. **2/3-type 4K or HD Lens**
4. **4K Studio Camera**
   - **AK-UC4000GJ/UC4000SSJ**
5. **Lens operation system accessories**
6. **Studio Zoom Lens**
   - **AK-HBU500GJ** Build-up Unit
7. **Open two ways for LCD monitor viewing**
8. **Microphone Kit (monaural)**
9. **Remote Control Cable (50 m / 164 feet)**
10. **SD memory card**
11. **Optical Filter Multi Cable**
    - Max. 2,000 m
12. **SD memory card**
13. **Remote Operation Panel**
14. **Remote Operation Panel**
15. **Tripod Adaptor**
    - **SHAN-TM700**
16. **PoE Hub**
17. **PoE Hub**
18. **AC Adaptor**
19. **Remote Control Cable**
20. **New**

*1: For software supporting Chromatic Aberration Compensation (CAC) file, please download from "Download/Software Download" on Panasonic website: https://pro-av.panasonic.net/en/
*2: A power cable is included with the AC Adaptor.
*3: With the use of a serial remote control cable **AJ-C10050G**, power for ROP is supplied from a CCU.
*4: When **AK-MSU1000GJ** is connected to **AK-UCU600PJ/UCU600EJ/UCU600PSJ/UCU600ESJ** via serial cable, **AW-PS551** or PoE+ Hub is required.
*5: Use requires the latest software version update. For more details, please see "Service and Support/PASS" on the following website: https://pro-av.panasonic.net/en/.
*6: Requires the latest software version update. For more details, please see "Service and Support/PASS" on the following website: https://pro-av.panasonic.net/en/.
*7: It may require to replace lens mount parts at using a specific 4K lens.
Please contact your dealer for more details.
### AK-UC4000GJ/UC4000GSJ

**Power Supply**
- DC 12 V (when using an external power supply)
- AC 240 V, 50 Hz/60 Hz (when connecting to an AK-UC600PJ/UC6000ESJ)

**Power Consumption**
- 119 W (maximum for the camera only, when connecting to an external 12 V 360 W (when connecting to an AK-UC600PJ/UC6000ESJ)

**Operating Temperature**
- –10 °C to 45 °C (14 °F to 113 °F)

**Storage Temperature**
- –20 °C to 60 °C (–4 °F to 140 °F)

**Operating Humidity**
- 85% or less (relative humidity)

**Weight**
- Approx. 4.5 kg (9.9 lb) (body only)

**Dimensions (W x H x D)**
- Body only 151 mm x 267 mm x 371.5 mm (5-31/32 inches x 10-17/32 inches x 14-21/32 inches) (excluding protrusions)

### AK-UCU600PJ/UCU600ESJ

**Power Supply**
- AK-UCU600PJ/UCU600ESJ: 100 V - 120 V AC, 50 Hz/60 Hz
- AK-UCU600EJ/UCU600ESJ: 100 V - 240 V AC, 50 Hz/60 Hz

**Power Consumption**
- 500 W (Without camera connected: 90 W)

**Capacity for Supplying Power to a Camera**
- 240 V AC (tolerance: 5%), 1.46 A, 50 Hz/60 Hz

**Operating Temperature**
- 0 °C to 40 °C (32 °F to 104 °F)

**Humidity**
- 10% to 90% (no condensation)

**Weight**
- Approx. 8.9 kg (19.6 lb)

**Dimensions (W x H x D)**
- 424 mm x 88 mm x 401 mm (16-5/8 inches x 3-7/16 inches x 15-13/16 inches) (excluding protrusions)

**Video Output**
- 3G/HD-SDI: 5 lines (embedded audio is supported only for HD signals)

**Power Supply**
- 1 line (shared with picture monitor output)

**Analog Composite:** 2 lines (1 line is shared with picture monitor output)

**HD TRUNK/ITC Output**
- HD-SDI: 1 line (HD TRUNK output)
- 3G/HD-SDI: 1 line (ITC output)

**Return Input**
- 3G-SDI/HD-SDI: 4 lines (REI input has active-through output)

**Analog Composite:** 1 line

**Prompter Input**
- HD-SDI: 1 line (active-through output)
- Analog Composite: 2 lines (through output of 1 and input of 2 share the connector*)

**Reference Input**
- BB (black burst) / tri-level*: 1 line

**Microphone Output**
- 0 dBm/600 Ω, 2 lines (XLR, 3-pin, male)

**Communication**
- 1 line, 10BASE-T, 100BASE-TX, 1000BASE-T

**WFM control**
- 6-bit (open collector output terminal, terminal shared with camera microphone gain setting)

**Camera microphone gain setting input**
- 5-bit (photo-coupler input, terminal shared with WFM control)

**Down-conversion system setting input**
- 2-bit (photo-coupler input)

**TRUNK**
- RS-422 / RS-232C 2 lines**

**FRONT ROP**
- RS-422 1 line, 16 V DC output (only one of this and REAR ROP can be selected at one time via the menu or the [ROP FRONT]/[ROP REAR] selection switch on the front panel)

**REAR ROP**
- RS-422 1 line, 16 V DC output (only one of this and FRONT ROP can be selected at one time via the menu or the [ROP FRONT]/[ROP REAR] selection switch on the front panel)

**LAN**
- MSU RS-422 1 line, GPI for control

**LAN TRUNK**
- LAN connection with camera side via an optical cable**
- 1 line, 10BASE-TX, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)

**Personal computer connection for distribution via the Web**
- 1 line, 10BASE-T, 100BASE-TX (use a crossover cable when connecting directly with a personal computer)
### AK-NP600G

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
</table>
| Dimensions (W x H x D) | 340 mm x 234 mm x 193 mm  
                       | (13-13/32 inches x 9-7/32 inches x 7-5/8 inches)  
                       | (not including hood)  |
|                       | 340 mm x 234 mm x 231 mm  
                       | (13-13/32 inches x 9-7/32 inches x 9-1/8 inches)  
                       | (including hood)   |
| Display Panel         | 22.9 cm (9.0 inches)                                                   |
| Number of Pixels      | 1920 x 1080 (FHD)                                                      |
| Display Color         | Approx. 16.77 million colors                                            |
| Operation             | <POWER> switch, <MENU> button, <SELECT> dial button, <F1>/<F2>/<F3>/<F4> buttons,  
                       | <BRIGHT> knob, <CONTRAST> knob,  
                       | <PEAKING> knob, <INPUT> switch                                      |
| Connector             | Camera I/F connector [D-sub 29 pins x 1]  
                       | SDI IN connector (BNC x 1)                                             |
| Supported Signal Format | CAM: 1080/59.94i, 1080/50i, 720/59.94p, 720/59.94i,  
                       | 1080/50/50i, 1080/59.94i,  
                       | 720/59.94i, 720/59.94p, 720/59.94i                                     |
| Power Supply          | 12 V DC (when external power is supplied)  
                       | 240 V AC 50 Hz/60 Hz (when CCU is connected)                           |
| Power Consumption     | 70 W (when external power is supplied)  
                       | 165 W (when CCU is connected)                                         |
| Weight                | Approx. 12.8 kg (28.22 lb)                                              |
| Dimensions (W x H x D) | 300 mm x 417 mm x 510 mm  
                       | (16-7/16 inches x 20-1/16 inches x 11-13/16 inches)  
                       | Camera Number Display: 1 to 15 (depending on system settings)          |
| LENS I/F Connector    | 36-pin x 1                                                               |
| Camera/CCU Control    | Control signals [camera, CCU control]  
                       | Power supply 16 V DC (when CCU is connected)*1, 12 V DC (when camera is connected) |
| Maximum Cable Length  | When camera connected: 20 m (65.7 ft)  
                       | When CCU is connected: 50 m (164 ft)                                 |

### AK-HRP1000GJ/HRP1005GJ

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
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</table>
| Power Supply         | 12 V DC (Power supply from camera: 10 V - 16 V DC)  
                       | 42 V - 57 V DC (PoE power supply)                                     |
| Power Consumption    | 0.51 A  
                       | (Power supply from camera: 10 V - 16 V DC)  
                       | 0.44 A  
                       | (Power supply from camera: 10 V - 16 V DC)  
                       | 0.11 A  
                       | (PoE power supply)                                     |
| Operating Temperature| 0 °C to 40 °C (32 °F to 104 °F)                                       |
| Humidity             | 90% or less                                                           |
| Storage Temperature  | -20 °C to 60 °C (-4 °F to 140 °F)                                      |
| Weight               | Approx. 1.6 kg (3.57 lb)                                               |
| Dimensions (W x H x D) | 102 mm x 385 mm x 113 mm  
                       | (4 inches x 15-3/16 inches x 4-7/8 inches)  
                       | Camera/CCU Control: Control signals [camera, CCU control]  
                       | Power supply 16 V DC (when CCU is connected)*1, 12 V DC (when camera is connected) |
| Maximum Cable Length  | When camera connected: 20 m (65.7 ft)  
                       | When CCU is connected: 50 m (164 ft)                                 |

### AK-MSU1000GJ

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
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</table>
| Power Supply         | 12 V DC (Power supply from camera: 10 V - 16 V DC)  
                       | 42 V - 57 V DC (PoE power supply)                                     |
| Power Consumption    | 1.6 A  
                       | (Power supply from camera: 10 V - 16 V DC)  
                       | 0.6 A  
                       | (PoE power supply)                                     |
| Operating Temperature| 0 °C to 40 °C (32 °F to 104 °F)                                       |
| Humidity             | 90% or less                                                           |
| Storage Temperature  | -20 °C to 60 °C (-4 °F to 140 °F)                                      |
| Weight               | Approx. 4.0 kg (8.82 lb)                                               |
| Dimensions (W x H x D) | 482 mm x 222 mm x 81.5 mm  
                       | (18-3/16 inches x 8-3/4 inches x 3-7/16 inches)  
                       | (including mounting brackets and dial heights)  
                       | Camera/CCU Control: Control signals [camera, CCU control]  
                       | Power supply 16 V DC (when CCU is connected)*1, 12 V DC (when camera is connected) |
| Maximum Cable Length  | When camera connected: 20 m (65.7 ft)  
                       | When CCU is connected: 50 m (164 ft)                                 |

### AK-HVF1000GJ

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
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<tbody>
<tr>
<td>Power Supply</td>
<td>12 V DC (supplied from camera or XLR)</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>18 W</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0 °C to 45 °C (32 °F to 113 °F)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10% - 85% (no condensation)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20 °C to 60 °C (-4 °F to 140 °F)</td>
</tr>
</tbody>
</table>
| Weight               | Approx. 2.6 kg (5.73 lbs.)  
                       | [not including hood] /  
                       | Approx. 3.0 kg (6.61 lbs.)  
                       | [including hood]                                    |
Dimensions

AK-UC4000GJ/UC4000GJ

AK-UCU600PJ/UCU600EJ/UCU600PSJ/UCU600ESJ

AK-MSU1000GJ

AK-HBU500GJ

AK-HVF1000GJ

AK-HRP1000GJ

AK-HRP1005GJ

Unit: mm (inches)

As of August, 2019

* Dimensions are for LEMO connector model.