Panasonic

AK-HC5000 Series

HD Studio Handy Camera

Preliminary

A broadcast use HD studio camera system with 1080p, 4x hi-speed shooting and hi-end image quality

The AK-HC5000 Series HD Studio Handy Camera is a broadcast-use camera equipped with a newly developed 2/3-inch 3MOS sensor that achieves high sensitivity and an excellent S/N ratio. While including functions appreciated in the conventional model such as DRS and CineGamma, the AK-HC5000 Series adds new features such as focus assist, flash band compensation, and skew reduction which is realized through high-speed readout from the MOS sensor. There are additional functions to improve shooting experience including enhanced shockless gain (-3 dB to 36 dB), a user gamma function, black gamma correction according to the pedestal setting, multi-step DNR and easy matrix adjustment.

AK-HC5000 Series achieves excellent image quality and operability. When used with AK-UCU500 Camera Control Unit, it is capable of 1080/60p, 240p image output and high-image-quality uncompressed long-distance transmission. The AK-HRP1000/HRP1005 Remote Operation Panel equipped with a color LCD to provide visibility of the display for smooth control. The camera and camera control unit can be connected for approximately 2,000-meter long-distance transmission of video signals when power is supplied from the camera control unit. The remote operation panel and the camera can be connected using dedicated cable. In addition, there is a plan to support IP connection using LAN-cable. The AK-HVF100 9-inches (230 mm) LCD color view finder has also been newly developed equipped with a large display and diverse functions such as focus assist. Overall, this system offers superior cost performance with respect to both operability and ease of use.

HD Studio Handy Camera AK-HC5000 Series

AK-HC5000 (Tajimi connector model, LEMO connector model are available)
HD Studio Handy Camera (Scheduled for release in Winter 2015)

Newly Developed MOS Sensor Achieves High-Quality Video Production

- Sensitivity F11 (2000 lx) and an excellent S/N ratio of 60 dB.
- Supported Format (from Camera)
  HD: 1080/59.94p, 50p, 59.94i, 50i, 29.97PsF, 25PsF, 23.98p over 59.94i
- Equipped with a CAC (Chromatic Aberration Compensation) function capable of correcting even slight chromatic aberration at the lens periphery[*1]
- The DRS (Dynamic Range Stretch) function suppresses blocked shadows and blown highlights.
- The V-REC, F-REC provides powerful support in digital cinema production.
- Features an internal digital extender (x2 magnification)
- 12-axis color correction, detail, skin tone detail and easy matrix adjustment
- An SD Memory Card can be used for Set Up Data and firmware version up.
- IP streaming and IP control is supported.

  [*1]: When a CAC-compatible lens is used.
  [*2]: Future Support

AK-HRP1000 / HRP1005
Remote Operation Panel(ROP) (Scheduled for release in Winter 2015)

Compact Operation Panel Capable Of Supporting IP Control

- Available two types of Remote Operation Panel as 1/4 rack size AK-HRP1000 and 1/5 rack size AK-HRP1005.
- Easy recognition and visible LCD Panel
  AK-HRP1000: 3.5 inches (VGA)
  AK-HRP1005: 3.2 inches (VGA)
- Serial control and IP control of studio cameras are possible.
- PoE (Power over Ethernet) supported
- Can be used for remote control of Panasonic convertible cameras and PTZ cameras[*1]
- Equipped with a joystick control lever(Standard) Allows Iris/Pedestal operation
- Scene File function provided
- Equipped with an SD Memory Card slot for saving user files and updating firmware version
- Supports IP Control (RJ45 LAN cable)

  [*1]: Future Support

AK-HRP1000   AK-HRP1005

AK-MSU1000
Master Setup Unit (MSU) (Scheduled for release in Winter 2015)

Maximum of 20 CCU can be connected and controlled from an AK-MSU1000
- Support both IP and serial connection.

AK-UCU500 (Tajimi connector model, LEMO connector model are available)
Camera Control Unit(CCU) (Scheduled for release in Winter 2015)

Allows a High-Quality, Long-Distance Optical Fiber Transmission Camera System to Be Configured at Low Cost

- Optical fiber transmission of uncompressed video signals over a distance of approximately 2,000 m between the camera and camera control unit[*1]
- The compact, lightweight unit measures 2U in height and is rack-mountable.
- Supported Format
  4K (3G-SDI x 4)[*2]: 3840 x 2160/59.94p, 50p, 29.97p, 25p, 25PsF, 23.98p, 23.98PsF
  HD(3G-SDI)   : 1080/59.94p, 50p, 59.94i, 50i, 23.98p over 59.94i, 29.97PsF, 25PsF, 23.98PsF
                   720/59.94p, 50p
     (3G-SDI x 4) : 1080/239.76p, 200p
  SD   : 480/59.94i
                   576/50i
- Supports IP Streaming (RJ45 LAN Cable)
- An SD Memory Card can be used for saving user files and updating firmware version.
- Input/Output: SDI OUT x 7, SDI OUT (PM) x 1, VBS x 1, VBS(PM) x 1
  ＊4K MODE[*2]: SDI OUT x 4(4K), SDI OUT x 3, SDI OUT (PM) x 1, VBS x 1, VBS(PM) x 1
  ＊HS MODE   : SDI OUT x 4(HS), SDI OUT x 3, SDI OUT (PM) x 1, VBS x 1, VBS(PM) x 1
  RET input (SDI: 4ch, VBS: 1ch), HD-TRUNK output (SDI: 1ch), LAN-TRUNK output
  PROMPT input (SDI: 1ch, ANALOG: 2ch)

  [*1]: When power is supplied from the camera control unit.
  [*2]: 4K is available when AK-UC3000 4K Studio Camera is connected.

AK-HVF100
22.9 cm (9 inches) LCD Color Viewfinder
(Scheduled for release in Winter 2015)

Light Weight and High Resolution (Full HD) Plus Versatile Assist Functions

- Focus assist functions (Focus-in-Red, Focus Bar[*1])
- Detail depends on Zoom Ratio[*1]
- External HD-SDI Input
- Four assignable function switches
- Contrast, brightness and peaking are adjustable.

  [*1]: Available when AK-HC5000 or AK-UC3000 are connected.

AK-HBU500
Build-up Unit (Scheduled for release in Winter 2015)

Supports Large, High-Power Lenses
- Power Output : DC12V / 9A, 1.5A

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UKAS MANAGEMENT SYSTEMS
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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)