

BROADCAST INTO THE FUTURE

INTRODUCING: AK-HC3900



HIGH VIDEO QUALITY AT AN AFFORDABLE COST

This 1080p HDR studio camera system features an 11.14-megapixel sensor for high-sensitivity, low-noise video capture. The AK-HC3900 provides an ideal solution for studio production, live events, media schools and universities.

KEY FEATURES



11.14-MEGA PIXEL SENSOR

The large 4K sensor delivers sensitivity of F10/59.94 Hz, F11/50 Hz (2,000 lx) and low noise with an S/N ratio of 62dB or higher to provide high-quality, clear images.



MULTI-FORMAT SUPPORT

The camera supports multiple video formats:

- 1080/59.94p
- 1080/50i
- 1080/23.98psF
- 1080/50p
- 1080/29.97psF
- 720/59.94p
- 1080/59.94i
- 1080/25psF
- 720/50p



4K SUPPORT

The optional 4K upgrade delivers a wider range of colour and higher-quality images.* Horizontal and vertical resolution of 2,000 TV lines can be achieved. A range of output devices, including 12G-SDI*2 and 3G-SDI QuadLink*2, are also supported for improved operability during 4K video production.

Supported 4K formats:

- 2160/59.94p
- 2160/25p
- 2160/25psF
- 2160/50p
- 2160/23.98psF
- 2160/23.98p
- 2160/29.97p
- 2160/29.97psF



LOW-SKEW SHOOTING

High-speed reading of 1/1000 of a second (compared to 1/60 on standard cameras) reduces skewing of images.



HDR (HIGH DYNAMIC RANGE)

Render contrast, colour and shadow in highlights and dark areas that could not previously be reproduced, resulting in more realistic image quality.



B4 MOUNT

B4 mount compatibility with 2/3 lens.
Allows a 2/3 lens to be used without an adaptor.



DIGITAL EXTENDER (2X)

Video size can be doubled by the digital signal processing circuit, enabling high-magnification shooting. Resolution remains strong even when the image is magnified.



CHROMATIC ABERRATION COMPENSATION (CAC)

Automatically compensates for errors caused by lens chromatic aberration. This minimises circumjacent blur.



FOCUS ASSIST

Multiple focus assist functions help keep focus accurate:

- Focus Bar (indicates focus level)
- Focus-In-Red (colour indicates areas in focus)
- MAG (magnifies central portion)
- Square (shows status of whole screen)

The camera also supports lenses with auto focus.



DIVERSE COLOUR CORRECTION

12-pole colour correction and individual adjustment of saturation and hue.



FLASH BAND CORRECTION

High-precision flash band detection and correction resolves the problem of flash bands.



SHOCKLESS GAIN

Smoothly transition the image changes that occur when gain is changed.



SKIN TONE DETAIL CORRECTION

Correct skin details live to enhance skin tones.



ITU-R BT.2020

This mode is supported in the 4K mode. BT.2020 is a colour space that can recreate almost every colour in the natural world, enabling excellent colour reproduction.



CAMERA STANDALONE OUTPUT FORMATS

1080p, 1080i and 720p.



LONG-DISTANCE TRANSMISSION

Transmit video signals up to distances of 1.2km when power is supplied to the camera from the CCU.



OPTICAL FILTER

The internal ND filter can be used in multiple environments with adjustable settings:

- Clear
- 1/4
- 1/16
- 1/64

*4K upgrade requires an interface kit.

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