Ikegami

HL-60W

Once again, Ikegami has incorporated evolutionary digital processing into the new HL-Series camera.

The new HL-60W offers high quality, outstanding performance with advanced DTV technology.

In the New Digital Era, the HL-60W responds exactly to today's needs with a variety of sophisticated features.

HL-60W

Advanced technology
Exciting, Evolving, Promising, Full Digital Broadcasting Camera

▉Features

■ Evolutional Digital Processing

Using advanced digital signal processing ICs, precision designed at 0.18μm rule, the video signals are digitized with 12-bit A/D conversion and up to 38-bit internal digital processing. Full digital processing by integrated circuits ensures stable and repeatable high-quality pictures with very low power consumption of 10W. And also High S/N ratios of 67dB for NTSC and 65dB for PAL are achieved. Superb high-quality pictures, with excellent S/N ratio, are obtained during all operating conditions since processing such as white shading, gamma and DTL are all performed digitally. The color reproduction in low light areas is greatly improved thanks to 12-bit A/D conversion.

■ AIT CCD

Newly developed AIT (Advanced Interline Transfer) CCDs offer high sensitivity of f11 and very low smear level of -135dB. This CCD achieves a high resolution of 750 TV lines.

■ Smart, Light-Weight and User Friendly

The camera is ergonomically designed with a low center of gravity for stable on-shoulder camera work, with good side viewing, and is overall user friendly. The Shoulder Pad is made of non-slip material. The camera is very light weight, just 2.3 kg (5.11 lbs).
(excluding viewfinder and microphone)

■ Wide Sensitivity Range Including Hyper Gain

With a wide sensitivity range and ten (10) gain settings, the operating range is greatly extended. The Hyper Gain of +48dB allows a minimum illumination of 0.12 lx. Furthermore, the sensitivity can be increased up to 120 times by CCD charge accumulation over longer than standard 1/60 second, for special operation in the dark. (option).

■ Universal Color Control

This color correction function gives the operator subjective control of hue and saturation of the six color vectors, without disturbing the linear matrix set up. A unique addition to the system is auto detection (AHD) for two specific colors chosen by the operator.
After selecting, the hue, saturation, and luminance level of the custom colors is under operator control.

■ Variety of DTL Function

A variety of DTL functions including New Slim DTL for thinner details edge, New Skin DTL, Soft DTL for more natural picture, Diagonal DTL for cross color suppression and moire, Variable 8-step boost frequency for horizontal edge, and H/V balance control are incorporated.

■ New Skin DTL on Color DTL

The conventional Skin DTL function reduces DTL added to skin tone. The New Skin DTL feature also reduces the high frequency element of skin tone to further soften the complexion of the talent. A second system permits a decrease or increase of DTL in color of user's choice. For example, besides the correction of skin tone, the background color behind the face can be changed in sharpness.

■ Super KNEE System

The color reproduction in high luminance areas is improved since the high luminance signal is digitally processed with a super KNEE System after it is reconverted to a linear signal. This system retains the color in the highlight area where it is washed out in conventional cameras.

■ Black Stretch and Black Press Control

The Black Stretch function meets the needs of the professional who wants to avoid excessive dark areas in high contrast scenes. This function enables improvement the saturation in dark or shadow areas of the subject by raising the image level by 3%, 5% or 7% only for low-brightness portions. The Black Press provides for variable enhancement of the brighter areas of the image by suppressing gain in blacks by -7%, -5% or -3%. It can add contrast to a washed out picture.

■ P.FUNC (Personal Function) Switch

P.FUNC switch is provided for the most frequently used functions for operator convenience, such as IRIS Correction, Black Press and Black Stretch.

■ Memory Card Function (SmartMedia™)

Camera operating conditions can be stored into a memory card. Camera setup is greatly simplified by loading the data stored in the memory card. SmartMedia™ can be used as the memory card.

▉Specifications/Performance

CCD image sensor	2/3-inch AIT (Advanced Interline Transfer) 3 CCDs
Total Number of Pixels	NTSC-520,000 pixels/PAL-600,000 pixels
A/D conversion	12 bit
Lens mount	2/3 inch Bayonet (B4)
Ambient temperature	-20℃~+45℃ (-4°F~+113°F)
Relative humidity	25%~85% (No-condensation)
Weight	Approx. 2.3kgs (5.07 lbs)
Dimensions	W126 ✕ H281 ✕ D170 mm (4.96 ✕ 11.06 ✕ 6.69 inches)
Power consumption	Approx 10W
Sensitivity	f11/2,000 lx
S/N	67dB (NTSC)/65dB (PAL)
Horizontal resolution (center)	750 TV lines
Modulation depth (center)	75% or more
Minimum Illumination	0.12 lx (+48dB)
Gain control	-3, 0, +6,+9,+12,+18,+30,+36,+42,+48dB (selectable)
Electric shutter mode	1/60 (Off), 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000
Variable shutter mode	1/60.3 to 1/787 (s)
Optical filter	ND 100% 25% 6.2% 1.6% ECC 3200k 4300k 6300k 8000k Filter Servo Control as Option
Automatic Operating Set-up	AWB, ABB, ABS, AWS, AHD
Setup memory card	Smart-Media
Data Files	Scene files, Lens data files

Design and specifications are subject to change without notice.