

■ 3-CMOS Full Digital HDTV Camera System

HDK-73

2.6 Mega pixel high performance CMOS sensors

HDR



HDK-73

Newly Developed High Performance 2.6 Mega pixel 2/3-inch CMOS Sensors

The HDK-73 utilizes three 2/3-inch 2.6 mega pixel CMOS sensors, each capable of capturing full HD 1920 x 1080 resolution images with a dynamic range of 600% in normal mode and an extremely wide 1200% in HLG mode, and giving you an excellent sensitivity of F12 (60Hz) / F13 (50Hz) and high signal-to-noise ratio.

Native Multi-format

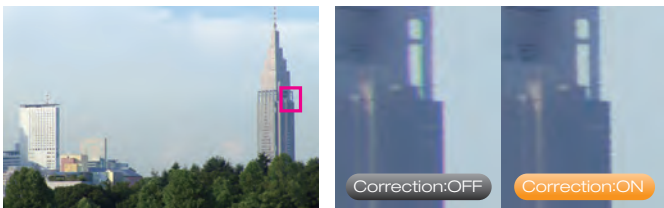
The CMOS sensors support progressive and interlace readout, natively supporting 1080i/59.94 and 1080i/50, as well as 720p/59.94 and 720p/50 HDTV formats.

Advanced Full Digital DSP

This camera is designed from the start base on End-to-End Digital made possible by using CMOS sensors, and includes the benefits of high bit quantization. Especially for the dark areas of the picture, the higher gradation for gamma and other circuits improves the reproduction, providing for more natural color in the shadow areas of the picture. Up to 38-bits are used within the DSP.

Lens chromatic aberration correction function

Acquires correction data from the corresponding lens and automatically corrects lens chromatic aberration based on lens zoom, focus, and iris position information.



Two HD-SDI Outputs from the Camera Head

Two HD-SDI output signals (1.5G) are selectable between Camera, VF, RET and MON (monitor) for external monitoring at the camera head.

Quick EZ Focus Assist Function

The Quick EZ Focus Assist function is a newly incorporated useful tool, providing very distinct enhancement to the viewfinder signal to enable the camera operator to make critical focus adjustment. The size of area, area color, edge color, and display time on the viewfinder are adjustable in the camera menu.



Focus Assist: ON

RET and QTV Channels

The featured base stations for the HDK-73 support four channels of return video (RET), two each for SDI and VBS. The selected channel can be output at the camera as an HD-SDI signal (upconverted if input in SDTV) and used to feed a talent monitor or other purpose. In addition there is a separate prompter channel (QTV) with SDTV input at the base station and SD output at the camera.

Advanced Digital Detail

Both horizontal and vertical Detail Correction circuits for red, green and blue signals are independently and digitally processed. You can obtain the full resolution of a high quality picture with extremely low noise, even under low-light shooting conditions.

Dockable Camera Body

With a docking style camera body, either an FA(Fiber adapter) or CA (Camera adapter) can be mounted without any external cables depending on the use. A new lower profile and lower weight improve the maneuverability for shoulder use.



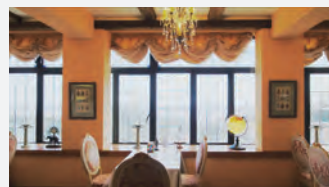
Moire Reduction Filter (Factory Option)

An Anti-Moire Optical Low-Pass Filter can be fitted in the filter wheel to reduce unwanted moire video patterns when shooting a large LED screen, etc.

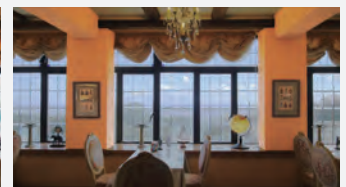
* If this optional filter is ordered, one of the filters must be replaced.

HDR (High Dynamic Range)

The camera provides an HDR function with its HLG (Hybrid Log Gamma) curve. It is now possible to shoot a scene with high dynamic range without losing gradation in the highlights.



Standard Gamma



HDR imHybrid Log Gamma with HDR monitoring