

# Ikegami

# *Unicam HD*

Super High Sensitivity 3CMOS HDTV Portable Camera System

# HDK-5500



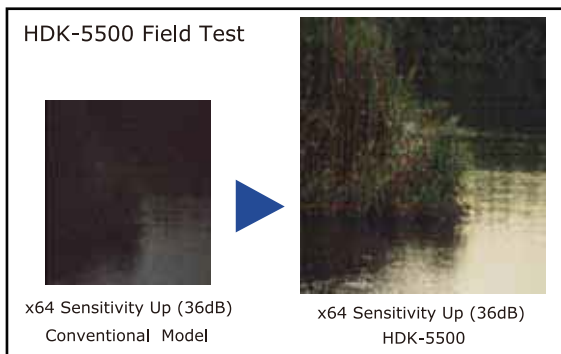
The HDK-5500 employs a unique optical system with three High speed sampling CMOS sensors which makes it possible to achieve full motion color video even with ambient illumination of less than 0.001 lx.

The HDK-5500 is capable of extensive use not only in EFP applications, but also in ENG applications.



**Super high sensitivity[0.001 lx]**

Under Star bright condition (0.001 lx /F1.4), it can produce color video (60fps).



Sensitivity : F22 / 2000 lx [S/N : 56dB]

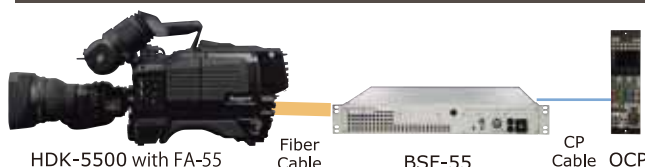
**Docking style camera body**

With a docking style camera body, either an FA(Fiber Adaptor) or TA(Triax Adaptor) or CA(Camera Adaptor) can be mounted depending on the use. A new lower profile and lower weight improve the maneuverability for shoulder use.

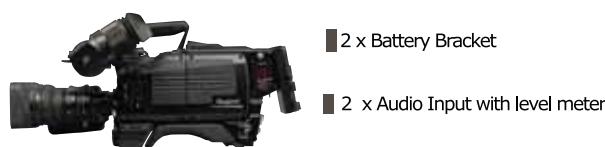
FA(Fiber Adaptor) or TA(Triax Adaptor) or CA (Camera Adaptor)



**EFP applications(HDK-5500 with FA)**



**ENG applications[HDK-5500 with CA-75HD]**



**Camera Operator Assist Functions**

There are two types of camera operator assist functions incorporated in the HDK-5500 camera head. The viewfinder detail(VF DTL) function allows the camera operator to increase the detail edges to the viewfinder video for easy-focusing.

In addition, the Quick EZ Focus (Focus Assist) function is newly incorporated useful tool, providing very distinct enhancement to the viewfinder edge signal to enable the camera operator to make critical focus adjustment.



Normal VF image

trigger



FOCUS ASSIST ON Sample A



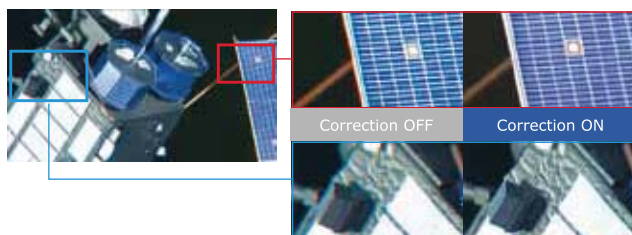
FOCUS ASSIST ON Sample B



FOCUS ASSIST ON Sample C

**Lens Aberration Correction function**

The Lens Aberration Correction function is newly incorporated for minimizing the blur and colored edges caused mainly by lens chromatic aberration.



**Specifications**

Scanning System	1080/59.94i, 1080/50i			
Image Sensor	2/3-inch 1.3 million pixel CMOS			
Optical System	2/3-inch RGB prism, f1.4			
Filter *	1	2	3	4
	ND 100%	25%	6.20%	1.60%
	A	B	C	D
ECC	3200K	4300K	6300K	8000K
	*Dual servo filter version will be available later (model name may change)			
Sensitivity	F22 (1080/59.94i) / F22 (1080/50i) typical at 2000 lx (White reflection 89.9%)			
Minimum Illumination	0.001 lx(Value in theory), +78dB [gain up, 100% video level]			
S/N Ratio	56dB or more			
Limiting Resolution	700TV lines			
Gain	-6, 0, +6, +12, +18, +24, +30, +36, +42, +48, +54, +60, +66, +72, +78dB			
Electric Shutter	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000			
Operating Temperature	-20°C ~ +45°C			
Operating Humidity	30% ~ 90% (non-condensing)			
Operating Voltage	DC +11 ~ +16V			
Weight	4.5kg with FA-55			
Dimensions	W138.5 x H270 x D337 mm (excluding protrusions[with FA-55])			

Design and specifications are subject to change without notice.

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