

Full-HD Video Camera System for ultra-high sensitivity video recording

Ultra-high sensitivity CMOS Camera

SSC-860 IK

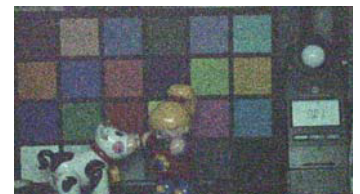


- Newly developed ultra-high sensitivity 2/3 type CMOS sensor is equipped.
- The noise peculiar to CMOS is reduced substantially.
- Providing HD-SDI, Composite output.
- Defogging feature
- The power-saving camera with non-cooling type.

HD Video Camera with the newly developed ultra-high sensitivity CMOS sensor(Full-HD1080/30p).

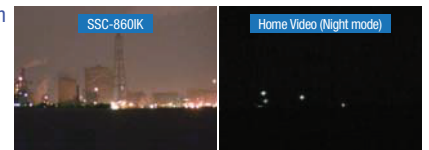
In addition, the 3D noise reduction function is also developed. These new technologies enable the recording of clearly visible color video under minimum illumination at 0.005 lux.

It can be used in a variety of video fields such as surveillance, bio-technology, broadcasting and astronomical observation.

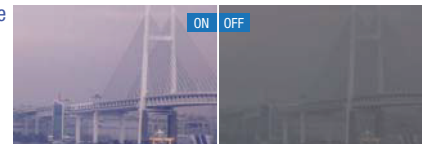


Sample image recorded under minimum illumination at 0.01 lux.

Picture comparison



Defogging feature



■ Camera Specifications

Imaging Device	Single CMOS / RGB Bayer	
Total pixels	Approx2.6megapixels 2270(H)×1144(V)	
Valid pixels	Approx2.2megapixels 1974(H)×1110(V)	
Pixel size	5μm(H)×5μm(V)	
Optical sensor	2/3 Type	
Scanning system	Progressive	
Sensitivity	F1.1 2000lx	
Minimum Illumination	0.005lx(F1.4, 1/30, +72dB, 50IRE)	
Viewing resolution	>900TV	
Lens	CS-mount	
Lens Control	4pin DC Iris control	
Image adjustment	Electronic sensitivity Up	OFF / AUTO(S/N, STD, MOVE) / Manual x1, x2, x4, x6, x8, x16
	Gain	AUTO:AGC / HYPER-AGC MANUAL:0dB~72dB(0.3dB STEP)
	Electronic shutter	OFF, 1/50, 1/60, 1/100, 1/125, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000
	Iris control	9×5 Area Selection
	Gamma correction	0.45 / 0.75 / 1
	DNR	OFF, LOW, HIGH
	White balance	ATW1 / ATW2 / AWC / Manual
	WDR MODE	OFF / WDR / AUTO KNEE / AUTO BLACK STRETCH
	Defogging feature	OFF / ON
	Color Matrix	R/G/B/Ye/Cy/Mg 6 axis adjust
	etc...	DITAL / CHROMA / BLACK LEVEL

Electric zoom	x1.x2.x3.x4.x5.x6.x7.x8.x9.x10
Image invert	Standard, Top/Bottom, Left/Right, Top/Bottom and Left/Right Invert
Privacy mask	8Mask GRAY / WHITE / BLACK
Internal test pattern	Color bar, Grayscale, Cross-line
OSD	Operating menu

■ Interface Specifications

Video output Jacks	HD-SDI(BNC)×1, Composite(BNC)×1
Synchronization signal input Jack	External synchronization (VBS/3) BNC×1
Serial port	RS-485
Relay interface	IR Cut-off filter Change
Video output Format	HD-SDI: 1920×1080/59.94i/50i, 1920×1080/30p/29.97p/25p, 1280×720/60p/59.94p/50p/30p/29.97p/25p Composite: NTSC, PAL Down convert ※Letterbox/Side cut/Squeeze

■ Specifications

DC Input Voltage	DC12V ±10%(Ripple 50mVp-p)
Power Consumption	7W
Operating Temperature/Humidity	-10 to 50°C / 35 to 90%
Storage Temperature/Humidity	-20 to 60°C / 20 to 90%
External Dimensions	78(W)×66(H)×139(D)mm
Weight	460g

The specifications and/or appearance of the products are subject to change without prior notice.