

Hitachi Kokusai Electric

HITACHI

Inspire the Next

Newest 2/3inch GS-CMOS Sensor 4K/HD Camera

SK-UHD7000-S2

CU-UHD7000-S2

4K ^{ULTRA} HD

HDR
HIGH DYNAMIC RANGE

4K UHD : Optional License up-grade from HD



Specifications

* 4K UHD function and performance are achieved by the optional 4k up-grade license.

Camera Head SK-UHD7000-S2

Model name	SK-UHD7000-S2(59.94Hz), SK-UHD7000E-S2(50Hz)
Image sensor	3-chips, 2/3-inch, CMOS image sensor with global shutter Effective pixels : 3,840 (H) x 2,160 (V)
Prism	F1.4
Optical Filter	1x motorized filter wheel ND (CLEAR, 1/4 ND, 1/16 ND, 1/64 ND)
ECC Filter	3200K, 4300K, 5600K, 6300K, 8000K
Lens mount	B4 Bayonet

Horizontal resolution	4K: 2000 TVL (At center, 5% or higher modulation depth)* HD: 1000 TVL (At center, 5% or higher modulation depth)
SNR	HD: 62dB typ.
Sensitivity (2000 lx, 3200 K, 89.9% reflectance)	4K: F10/59.94p, F11/50p* HD: F10/59.94p, F11/50p
Minimum illumination	2 lx (at F1.4, GAIN: +24 dB)
Vertical Smear	No smear

Gain selection	L (low) -9/-6/-3/0 dB M (medium) 0/+3/+6/+9/+12/+15/+18/+21 dB H (high) +3/+6/+9/+12/+15/+18/+21/+24 dB
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Shutter	Preset : 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 second (59.94Hz) 1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000 second (50Hz) Lock scan : 1/60.32 to 1/1981 (59.94Hz) 1/50.21 to 1/2002 (50Hz) AES mode : Automatic video level control by shutter speed.
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Geometric distortion	Negligible (excluding lens characteristics)
Registration Overall	0.01 % (excluding lens characteristics)

Dimensions	140(W) x 191(H) x 365(D) mm
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Power supply voltage	DC 12 V (10.5 V to 17 V)
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Temperature range	Performance maintenance -20 °C to +45 °C , -4 °F to +113 °F Operation -20 °C to +50 °C , -4 °F to +120 °F Storage -20 °C to +60 °C , -4 °F to +140 °F
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Power Consumption	Approx. 70 W (without VF and lens)
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MASS	Approx. 4.6 kg (without VF and lens)
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Input & Output	MON OUT: BNC x1, HD/SD SDI with Character SDI OUT1/2*: BNC x2, 12G/6G/3G/HD SDI MAIN out (12G/6G/3G/HD SDI), HD return out (HD SDI), or HD prompter out (HD SDI) SDI IN/OUT: BNC x1 MAIN out (3G/HD SDI), HD trunk in (3G/HD SDI, only when HD mode), or HD return in (HD SDI, only when standalone) PROMPT/GL: BNC x1 Analog prompter out (VBS, only when combined with CCU) Genlock in (Black-Burst/Tri-level, only when standalone) REMOTE: 4-pin Multi connector for remote control panel VF: 20-pin, LENS: 12-pin, MIC: 3-pin XLR, DC5V OUT: USB Type-A (DC5V/1.0Amax), Ethernet TRUNK: RJ-45, EARPHONE: φ3.5 Monaural Mini jack, CCU: SMPTE304M-SMPTE311M-type FOC (LEMO), AC230V OUT: 5-pin, INTERCOM: 5-pin XLR x2, MIC: 3-pin XLR x2, SCRIPT: 5-pin, RET CONT: 6-pin, SA connector: 15pin for Studio Adaptor (SA-1100-S1), DC IN: 4-pin XLR (DC12V)
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Optional functions	· 4K Capturing with 4K HDR/HD SDR Simulcast · HFR Capturing at 4x HD 3G/1080p. · SMPTE ST 2110 MoIP Interface between camera head & CCU · SMPTE ST 2110 output from CCU Remark: Optional functions have to be ordered along with the camera.
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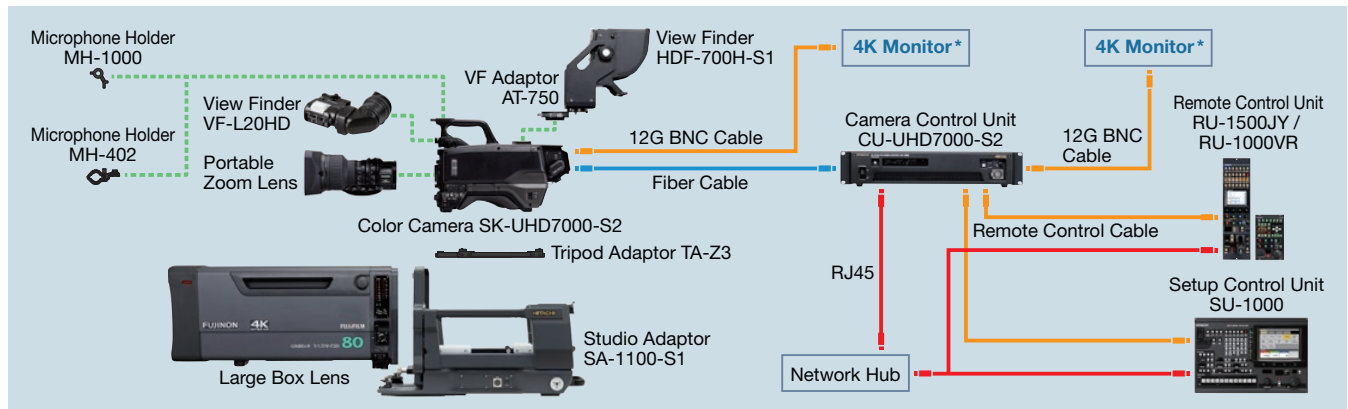
Camera Control Unit CU-UHD7000-S2

Power supply voltage	AC100~240V, 47~63Hz with auto-sensing	Dimensions	432(W) x 88(H) x 419(D) mm
Power consumption	300W approx. (AC operation, including SK-UHD7000-S2, VF-L20HD, and AUX POWER OUT 100VA)	Mass	12 kg approx.
Operating temperature	0 °C to +40 °C (+32 °F to +104 °F)	Maximum Cable length	1 km (with utility power 100VA), 2 km (without utility power), 10 km (Single mode fiber)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)		

Connectors (SDI OUTPUT)

12G SDI OUT* (1/2/3/4)	12G / 6G / 3G / HD SDI SMPTE ST 2082-1, SMPTE ST 2081-1	BNC (x4)	SDI OUT (1/2/3/4/5/6)	3G / HD / SD SDI SMPTE 424/425M Lv-A/B SMPTE 292M, SMPTE 259M-C	BNC (x6)
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These Specifications are subject to change without notice.



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CAUTION : To ensure safe operation, please read the instruction manual before using this product.

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