

# KOKUSAI DENKI

## 4K Multi-Purpose Camera DK-H700

4K<sup>ULTRA</sup><sub>HD</sub>

HDR  
HIGH DYNAMIC RANGE



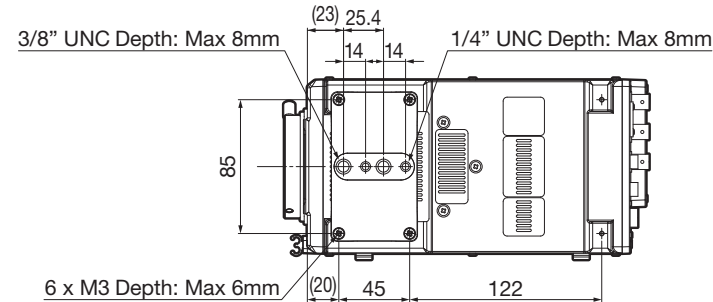
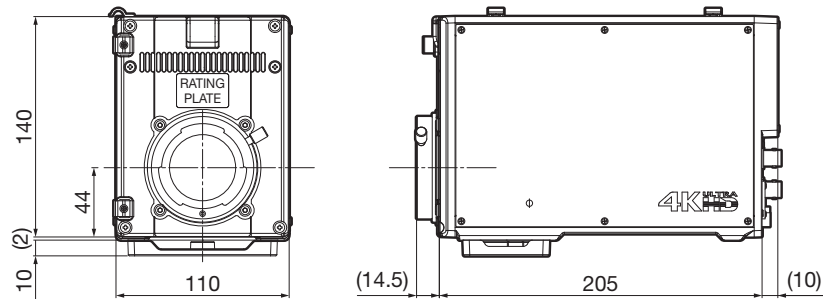
- Newly developed technology to achieve the ITU-R BT.2020 broadcast standard widened color space.
- 2/3" Lens Compatibility for those difficult shots that require the most advanced specifications.
- Advanced Auto Chroma Feature to keep theatrical lighting in true color space.
- Easy integration to 3rd parties' robotic systems.
- Direct compatibility with existing remote panels.

# Specifications

## Camera Head DK-H700

<b>Model name</b>	DK-H700(59.94 Hz), DK-H700E(50 Hz)
<b>Image sensor</b>	3-chips, 2/3-inch, CMOS image sensor with global shutter Effective pixels : 3,840 (H) × 2,160 (V)
<b>Signal format</b>	2160p, 1080psf, 1080p, 1080i, 720p
<b>Prism</b>	F1.4
<b>Optical Filter</b>	1x motorized filter wheel ND (CLEAR, 1/4 ND, 1/16 ND, 1/64 ND)
<b>ECC Filter</b>	3200K, 4300K, 5600K, 6300K, 8000K
<b>Lens mount</b>	B4 Bayonet
<b>Horizontal Resolution</b>	2000 TVL (At center, 5% or higher modulation depth)
<b>SNR</b>	62dB typ.
<b>Sensitivity</b>	59.94p : F10 @ 2000 lx, 3200 K, 89.9% reflectance 50p : F11 @ 2000 lx, 3200 K, 89.9% reflectance
<b>Minimum illumination</b>	0.001 lx (at F1.4, +36dB gain and two second long time integration)
<b>Vertical Smear</b>	No smear
<b>Gain selection</b>	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/+27/+30/+33/+36 dB
<b>Shutter</b>	Preset mode 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 second (59.94 Hz) 1/60, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 second (50 Hz) Lock scan mode 1/60.53 to 1/11077, 0.03 to 2.14 second (59.94Hz) 1/50.39 to 1/9246, 0.04 to 2.56 second (50Hz) AES mode The video level is maintained by controlling shutter speed.
<b>Geometric distortion</b>	Overall: 0 % (excluding lens characteristics)
<b>Registration Overall</b>	0.01 % (excluding lens characteristics)
<b>Dimensions</b>	110(W) x 140(H) x 205(D) (excluding protrusions)
<b>Power supply voltage</b>	DC 12 V (10.5 V to 17 V)
<b>Power Consumption</b>	Approx. 60 W (DC12V)
<b>Temperature range</b>	Operation -20 °C to +45 °C, -4 °F to +113 °F Storage -20 °C to +60 °C, -4 °F to +140 °F
<b>MASS</b>	Approx. 2.4 kg (5.3 lbs)
<b>Input &amp; Output</b>	MON OUT: 1X BNC HD-SDI out (Character ON/OFF) SDI OUT1/2: 2X BNC 12G/6G/3G/HD-SDI out FIBER: 1X SFP for 12G video out (DK-H700-S1 only) GL IN: 1X BNC for Tri-level sync or BB REMOTE1: 4-pin Multi connector for Remote Control Unit REMOTE2: 8-pin RJ-45 connector for 10BASE-T/100BASE-T TALLY OUT: 6-pin Multi connector for R/G TALLY LENS: 12-pin Multi LENS connector DC IN: 4-pin XLR connector

# Dimensions



Rear View (DK-H700)



Rear View (DK-H700-S1)

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

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