

RATINGS / PERFORMANCE HDK-73	
Signal Format	1920 x 1080/59.94i, 50i 1280 x 720/59.94p, 50p 720 x 580/59.9i (NTSC), 720 x 576/50i (PAL) (Available from BSF-55/300 or BST-55)
Image Sensor	2/3-inch 2.6 million pixel CMOS sensors
Optical System	2/3-inch, R,G,B 3 prism, F1.4
Lens Mount	B4 mount bayonet
Filter	ND: 1/100%, 2/25%, 3/6.2%, 4/1.6% ECC: A/3200K, B/4300K, C/6300K, D/8000K
Ambient Temperature	-20°C to +45°C (-4°F to 113°F)
Relative Humidity	30% to 90% (Non-condensing)
Operating Voltage	+11 to 16V
Weight	Approx. 4.6kg (10.1lbs) (Camera Head + FA, excluding VF)
Dimensions	W138.5 x H270 x D337mm (Camera Head + FA, excluding VF) (W5.5 x H10.62 x D13.25 inch)
Sensitivity	F12 at 2000lx 1080/59.94i (Typical)
S/N Ratio	60dB or more (in 1080/59.94i)
Limiting Resolution	1000TV lines (in 1080/59.94i)
Electrical Shutter	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000
Modulation Depth	60% at 800TV lines (in 1080/59.94i)
Gamma	OFF, 0.35, 0.4, 0.45, Hybrid Log Gamma
Gain	-6dB, -3dB, 0dB, +3dB, +6dB, +9dB, +12dB, +18dB
Input Signals	
External Sync Signal	SYNC 0.6Vp-p ±6dB 75ohm BNC CN 1ch (BB/PS Signal) * DTA-55 does not have external sync signal input in self-contained operation
Audio Signal	-60dB to +4dB (Variable) / -20dB (Fixed) XLR CN 2ch (600 ohm Balanced)
Intercom Signal	XLR Type or 110 Type CN 2ch
Output Signals	
Analog Video Signal	R, G, B D-Sub CN 1ch (for System Expander)
HD-SDI Signal (with FA-55)	Serial Digital 75 ohm BNC 1ch
HD-SDI Signal (with DTA-55)	Serial Digital 75 ohm BNC 1ch * The output signal should be fixed with main video signal in self-contained operation and set to RET signal in cable operation. * The audio signal is not embedded.
Q-TV Signal	FA-55/300: VBS signal, BNC type 1ch DTA-55: SD-SDI signal, BNC type 1ch
AUX OUT Signal	VBS signal, BNC type 1ch (QTV-1, QTV-2, or Main video selectable by menu) * Available with FA-55/300 only * QTV-2 cannot be selected if BS/CCU does not support 2 channels of QTV
MON Video Signal	VF/RET/MON (MENU Selection) Serial Digital 75 ohm BNC 1ch
Intercom Signal	0 dBs 4ch (ENG/PROD/PGM1/PGM2) XLR Type or 110 Type CN
DC Output	+12VDC 500mA (Max.), 4-pin type 1ch * Option for DTA-55
HDK-73 with BSF-55/BST-55/BSF-300	
Operating Voltage	AC100V to 120V / 200V to 240V ±10%
Power Consumption	BSF-55: approx. 44W (BS only) Power for HDK-73 and FA-55 without VF: approx. 70W BST-55: approx. 64W (BS only) Power for HDK-73 and DTA-55 without VF: approx. 99W BSF-300: approx. 44W (BS only) Power for HDK-73 and FA-300 without VF: approx. 70W
Ambient Temperature	0°C to +40°C (32°F to 104°F)
Relative Humidity	30% to 90% (Non-condensing)
Weight	BSF-55: approx. 7kg (15.43 lbs) BST-55: approx. 8kg (17.64 lbs) BSF-300: approx. 7kg (15.43 lbs)
Dimensions	W483 x H66.4 x D405 mm (W19.00 x H2.63 x D16.00 inch) (excluding protrusions)
Maximum Cable Distance	FA-55/BSF-55: 2000m (6561.68ft) with 9.2mmφ Hybrid Fiber/Copper Cable DTA-55/BST-55: 800m (2624.67ft) with Fujikura 8.8mmφ Triax Cable FA-300/BSF-300: 300m (984.25ft) with 9.2mmφ Hybrid Fiber/Copper Cable
Input Signals	
External Sync Signal	HDTV: PS 1Vp-p 75ohm bridged or Tri-sync signal 0.6Vp-p ± 6dB 75ohm bridged connection SDTV: VBS 1Vp-p 75ohm bridged connection or BBS 75ohm bridged connection
Return Video Signal	HD-SDI/SD-SDI: 75ohm single end, 2ch (HD-SDI/SD-SDI selectable) VBS: 75ohm single end, 2ch
Q-TV Signal	BSF-55/300: VBS 75ohm single end, 1ch BST-55: SD-SDI 75ohm single end, 1ch
Intercom (ENG/PROD)	4-wire or Clearcom or RTS
4-wire	0dBm 600 ohm 2ch
Clearcom	-15dBs 200 ohm 2ch
RTS	0dBs 200 ohm 2ch
PGM (Program Sound)	0dBs 600 ohm/10k ohm switchable 2ch
Tally	R/G 2chINCOM
Output Signals	
Main Video Signal	
HD-SDI/SD-SDI Signal	HD-SDI (SMPTE292M) /SD-SDI (SMPTE259M) 75ohm BNC type 2ch 4 outputs (HD-SDI/SD-SDI selectable)
VBS Signal	1.0Vp-p 75ohm BNC type 1ch 2 outputs
PM Signal	
HD-SDI/SD-SDI Signal	Serial Digital 75ohm, 1ch (HD-SDI/SD-SDI selectable)
SDTV Analog Signal	1.0Vp-p 75ohm BNC type 1ch 1 output
WFM Signal	
HD-SDI/SD-SDI Signal	Serial Digital 75ohm, 1ch (HD-SDI/SD-SDI selectable)
Phase Reference Signal	75 ohm single end Analog 1ch HDTV: Tri-Sync (0.6Vp-p) / SDTV: HV (2Vp-p) (MENU Selection)
Intercom (ENG/PROD)	4-wire or Clearcom or RTS
4-wire	0dBm 600 ohm 2ch
Clearcom	-15dBs 200 ohm 2ch
RTS	0dBs 200 ohm 2ch
MIC	0dBs/+4dBs 2ch 2outputs Low impedance (MENU Selection)
Tally	R/G 2ch
Data Trunk * Option for camera side	RS-422 1ch * In case of the BST-55, the data trunk channel is not supported as standard