### HDK-73

**Signal Format**
- 1920 x 1080/59.94i, 59.94p, 1080 x 720/59.94i, 59.94p, 1080 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, F.1.4

**Lens Mount**
- B4 mount bayonet

**Filter**
- ND: 1/10000, 1/250, 1/8, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128, 1/256
- E.C.C: A/320K, B/430K, C/630K, D/800K

**Ambient Temperature**
- Relative Humidity: 30% to 90% (Non-condensing)

**Operating Voltage**
- +11 to 10V

**Weight**
- Approx. 4.6kg (10 lbs) (Camera Head + FA, excluding VF)

**Dimensions**
- W: 138.5 x H: 270 x D: 73.7mm (Camera Head + FA, excluding VF) (W: 5.5 x H: 10.62 x D: 2.925 inch)

**Sensitivity**
- F/1.2 at 2000lux 1/800, 59.94i (Typical)

**S/N Ratio**
- 60dB or more (in 1080/59.94i)

**Limiting Resolution**
- 1000TV lines (in 1080/59.94i)

**Electrical Shutter**
- 1/1000, 1/500, 1/1000, 1/5000, 1/1000, 1/2000

**Gamma**
- 0.45, 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 75ohm BNC CN 1ch (BB/PBS Signal)
  - * DTA-55 does not have external sync signal input in self-contained operation

**Audio Signal**
- ≤6dB to +4dB (variable) / +20dB (fixed) XLR CN 2ch (600 ohm Balanced)

**Intercom Signal**
- XLR Type or 110 Type CN 2ch

**Output Signals**

**Analogue Video Signal**
- R, G, B, D-Sub CN 1ch (for System Exchanger)

**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 REF signal in cable operation.
  - * The audio signal is not embedded.

**Q-Server Signal**
- FA-55/300: VBS signal, BNC type 1ch
  - DTA-55: SDI-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 BBC/CU does not support 2 channels of QTV

**MON Video Signal**
- V/H 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 VP. approx. 70W
- BSF-300: approx. 44W (BS only)
  - Power for HDK-73 and DTA-55 without VP. approx. 99W
- BSF-300: approx. 44W (BS only)
  - Power for HDK-73 and FA-55 without VP. 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. 2.7kg (6.0 lbs)
- BSF-300: approx. 2.7kg (6.0 lbs)

**Dimensions**
- W: 483 x H: 464.4 x D: 305mm (W: 19.0 x H: 18.3 x D: 11.96 inch) (excluding protrusions)

**Maximum Cable Distance**
- FA-55/BSF-55: 200mm (650ft, 198ft) with 1.2mm thick Hybrid Fiber/Copper Cable
- DTA-55/FA55/BSF-300: 300mm (984.25ft) with 3.2mm thick Hybrid Fiber/Copper Cable

**Input Signals**

**External Sync Signal**
- HDVT-PS: 1Vp-p 75ohm bridged or Tri-Sync signal 0.6Vp-p ± 5dB 75ohm bridged connection
  - SDVT: 1Vp-p 75ohm bridged connection or 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/SDI: 75ohm single end, 1ch
- BSF-300/SDI: 75ohm single end, 1ch

**Intercom (ENG/PROD)**
- 4-wire or Clearcom or RTS
- 4-wire or Clearcom or RTS

**Output Signals**

**Main Video Signal**
- HD-SDI/SD-SDI Signal
  - HD-SDI (SMTP292M) / SD-SDI (SMTP259M) 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
  - HDVT, Tri-Sync (0.6Vp-p) / SDVT, HV (2Vp-p) (MENU Selection)

**Intercom (ENG/PROD)**
- 4-wire or Clearcom or RTS
- 4-wire or Clearcom or RTS

**Data Trunk**
- * In case of the BST-55, the data trunk channel is not supported as standard