

Mainframe AV-HS73U2

Power Supply	AC 100 V to 240 V, 50 Hz/60 Hz
Power Consumption	460 W
Ambient Operating Temperature	0°C to 40°C (32°F to 104°F)
Humidity	10% to 90% (no condensation)
Dimensions (WxHxD)	482 mm x 399 mm x 420 mm (excluding protrusions) 9RU
Weight	Approx. 37 kg (when full option is installed, excluding accessories)

Video Terminal

SDI IN 1 to SDI IN 72 Terminals	During Standard mode Standard 36 lines <ul style="list-style-type: none"> Connector: BNC x 36 Maximum 72 lines Connector: BNC x 72 	
	HD-SDI	HD serial digital, SMPTE292M (BTA S-004) standard compliant <ul style="list-style-type: none"> 0.8 V [p-p] ± 10% (75 Ω) Automatic equalizer 100 m (when 1.5 Gbps/5C-FB cable is used)
	3G-SDI	3G serial digital, SMPTE424M standard compliant <ul style="list-style-type: none"> 0.8 V [p-p] ± 10% (75 Ω) Automatic equalizer 100 m (when 3 Gbps/5C-FB cable is used) 3G-SDI Level A, 3G-SDI Level B
SDI OUT 1 to SDI OUT 42 Terminals	During 4K mode Standard 9 lines <ul style="list-style-type: none"> Connector: BNC x 36 (construct one line of 4K signal with four terminals) Maximum 18 lines Connector: BNC x 72 (construct one line of 4K signal with four terminals) Can use the 4K signal in SQD format 	
	During Standard mode Standard 14 lines (<SDI OUT 1> to <SDI OUT 4>: Two distribute output, <SDI OUT 5> to <SDI OUT 14>: One distribute output) <ul style="list-style-type: none"> Connector: BNC x 18 Maximum 42 lines (<SDI OUT 1> to <SDI OUT 4>, <SDI OUT 15> to <SDI OUT 18>, <SDI OUT 29> to <SDI OUT 32>: Two distribute output, other: One distribute output) Connector: BNC x 54 ME1PGM, ME1PVW, ME1CLN, ME1KEYPVW, ME2PGM, ME2PVW, ME2CLN, ME2KEYPVW, ME3PGM, ME3PVW, ME3CLN, ME3KEYPVW, ME4PGM, ME4PVW, ME4CLN, ME4KEYPVW, DSKPGM1, DSKPGM2, DSKPVW1, DSKPVW2, DSK1CLN, DSK2CLN, DSK3CLN, DSK4CLN, SEL KEYPVW, MV1 to MV4, AUX1 to AUX24 can be assigned. 	
	HD-SDI	HD serial digital, SMPTE292M (BTA S-004) standard compliant <ul style="list-style-type: none"> Output level: 0.8 V [p-p] ± 10% Rise time: Less than 270 ps (HD) Fall time: Less than 270 ps (HD) Difference between rise time and fall time: 100 ps or less (HD) Alignment jitter: 0.2 UI (130 ps) or less (HD) Timing jitter: 1.0 UI or less (HD) Eye aperture ratio: 90% or more DC offset: 0 ± 0.5 V
	3G-SDI	3G serial digital, SMPTE424M standard compliant <ul style="list-style-type: none"> Output level: 0.8 V [p-p] ± 10% Rise time: 135 ps or less Fall time: 135 ps or less Difference between rise time and fall time: 50 ps or less Alignment jitter: 0.3 UI or less Timing jitter: 2.0 UI or less DC offset: 0 ± 0.5 V 3G-SDI Level B
Signal formats	During 4K mode Standard 3 lines (construct one line of 4K signal with four terminals) <ul style="list-style-type: none"> <SDI OUT 1> to <SDI OUT 4>: One line x two distribute output, <SDI OUT 5> to <SDI OUT 12>: Two lines x one distribute output Maximum 9 lines (construct one line of 4K signal with four terminals) <SDI OUT 1> to <SDI OUT 4>: One line x two distribute output, <SDI OUT 5> to <SDI OUT 12>: Two lines x one distribute output <SDI OUT 15> to <SDI OUT 18>: One line x two distribute output, <SDI OUT 19> to <SDI OUT 26>: Two lines x one distribute output <SDI OUT 29> to <SDI OUT 32>: One line x two distribute output, <SDI OUT 33> to <SDI OUT 40>: Two lines x one distribute output The 4K signal in SQD format can be used. ME1PGM, ME1PVW, ME1CLN, ME1KEYPVW, ME2PGM, ME2PVW, ME2CLN, ME2KEYPVW, DSKPGM1, DSKPGM2, DSKPVW1, DSKPVW2, DSK1CLN, DSK2CLN, SEL KEYPVW, MV1, and AUX1 to AUX6 can be assigned. 	
	1080/59.94p, 1080/59.94i, 1080/50p, 1080/50i, 1080/29.97PsF, 1080/25PsF, 1080/23.98PsF, 2160/59.94p, 2160/50p	
	Signal processing	Y:Cb:Cr 4:2:2 10 bit R:G:B 4:4:4 8 bit
ME number	4ME (Standard Mode) / 1.5ME (4K Mode)	

Synchronous Terminal

REF Terminal	In Genlock mode: Black burst or Tri-level Sync input signals (with loop-through) <ul style="list-style-type: none"> If the loop-through output is not used, provide a 75 Ω termination. Connector: BNC Same field frequencies as those of the system formats supported Only the Genlock mode is supported for 1080/23.98PsF format In the 1080/23.98PsF format, black burst signals with 10 Field ID (SMPTE318M standard compliant) or Tri-level Sync signals supported 	
Video Delay Time	During Standard mode	
	1 line (H)	When the frame synchronizer is set to [Off]
	2 field (V)	When the frame synchronizer is set to [On]
<ul style="list-style-type: none"> Maximum delay of 1 frame is added when passing through PinP, DVE, MultiView, or DVI-IN. 		

Control Terminal

LAN Terminal	Compatible with 100Base-TX and AUTO-MDIX (For IP control) <ul style="list-style-type: none"> Connection cable: LAN cable (CAT5E), max. 100 m, STP (Shielded Twisted Pair) cable recommended Connector: RJ-45
PANEL Terminal	Compatible with 100Base-TX and AUTO-MDIX (For Control Panel AV-HS60C2/AV-HS60C4 connection) <ul style="list-style-type: none"> Connection cable (supplied with AV-HS60C2/AV-HS60C4): LAN cable (CAT5E), straight cable, STP (Shielded Twisted Pair), 10 m Connector: RJ-45
COM1(M)/COM2(M)/COM3(M) Terminals	RS-422 control terminal For master connection for controlling external devices <ul style="list-style-type: none"> Connector: D-sub 9-pin (female) x 3, inch screw
COM4(M/S) Terminal	RS-422 control terminal For master/slave connection for controlling external devices <ul style="list-style-type: none"> Connector: D-sub 9-pin (female), inch screw Switchable between master connection and slave connection by the menu
GPI IN Terminal	GPI IN: 18 inputs, general-purpose, photocoupler sensing ALARM OUT: 1 output, open collector output (negative logic) <ul style="list-style-type: none"> Connector: D-sub 25-pin (female), inch screw
GPI OUT1/GPI OUT2 terminal	GPI OUT: 48 outputs, selected from general purpose, tally Open collector output <ul style="list-style-type: none"> Connector: D-sub 25-pin (female) x 2, inch screw
Accessories	<ul style="list-style-type: none"> AC cable: 4cables

Control Panel AV-HS60C2P/E

Power Supply	AC100 V to 240 V, 50 Hz/60 Hz (AV-HS60C2 supports redundant power supply)
Power Consumption	40 W
Operating Ambient Temperature	0°C to 40°C (32°F to 104°F)
Operating Ambient Humidity	10% to 90% (no condensation)
Storage Temperature	0°C to 40°C (32°F to 104°F)
Storage Humidity	10% to 90% (no condensation)
Weight	Approx. 13.9 kg (30.6 lbs.)(excluding accessories)
Dimensions (WxHxD)	980 mm x 153.4 mm x 267 mm (38-19/32 inches x 6-1/32 inches x 10-1/2 inches) (excluding protrusions)

Control Terminal

Mainframe Terminal	Compatible with 100Base-TX and AUTO-MDIX (For Mainframe AV-HS60U2 connection) Connection cable (supplied with AV-HS60C2): LAN cable (CAT5E), Straight cable, STP (Shielded Twisted Pair), 10 m(32.8 ft) <ul style="list-style-type: none"> Connector: RJ-45 When connected to the <LAN> terminal, no video will be displayed on the Menu Panel AV-HS60C3G.
MENU PANEL Terminal	Used only for the Menu Panel AV-HS60C3G <ul style="list-style-type: none"> Connector: DVI-D Cannot be connected to DVI-D monitor. Cannot be used concurrently with a DVI-D monitor connected to the <DVI-D> terminal. Select with the display selector switch.
DVI-D Terminal	Used for displaying menus to the DVI monitor <ul style="list-style-type: none"> Connector: DVI-D Monitor resolution: 1366x768 compatible monitor Cannot be used concurrently with the <MENU PANEL> terminal. Select with the display selector switch.
USB Terminal	For DVI monitor menu operation <ul style="list-style-type: none"> Connector: USB (type A, female) Cannot be used for the Menu Panel AV-HS60C3G.
Display Selector Switch	Switch for selecting <MENU PANEL> terminal or <DVI-D> terminal
COM1(M) Terminal	RS-422 Control Terminal For master connection for controlling external devices <ul style="list-style-type: none"> Connector: D-sub 9-pin (female), inch screw
COM2(RS-232) Terminal	RS-232 Control Terminal For external device control connections <ul style="list-style-type: none"> Connector: D-sub 9-pin (male), inch screw
GPI I/O Terminal	GPI IN: 8 inputs, general-purpose, photocoupler sensing ALARM OUT: 1 output, open collector output (negative logic) GPI OUT: 10 outputs, selected from general purpose, tally Open collector output <ul style="list-style-type: none"> Connector: D-sub 25-pin (female), inch screw
ME Number	2 ME
Accessories	<ul style="list-style-type: none"> AC Cable AV-HS60C2P: 2 cables AV-HS60C2E: 4 cables LAN Cable: 1 cable (used to connect with the Mainframe AV-HS73U2) Switch blank cap (large): 24 caps Switch blank cap (small): 12 caps