

HVS-Q12 Datasheet

1. Specifications

Basic specifications

Temperature	0°C to 40°C
Humidity	30% to 85% (no condensation)
Power	AC 100 V to 240 V \pm 10% 50/60 Hz
Consumption	TBD
Dimensions	430(W) \times 176(H) \times 480(D)mm EIA 4RU (Not including protrusions)
Weight	TBD
Consumables (at 24-hour operation)	TBD

Technical specifications

Item	HD mode	4K mode *Optional
Video formats	3G-SDI (SMPTE424M) HD-SDI (SMPTE292M)	12G-SDI (SMPTE2082) 6G-SDI (SMPTE2081)
Video inputs	12 (60) *All inputs with FS	12 (42) *All inputs with FS
Video outputs (SDI)	6 (30)	6 (21)
Video outputs (HDMI)	2 *HDMI2.0 Level-B (TYPE-A) AUDIO support	
Number of M/Es	1 to 2M/E	1 to 2M/E
Number of MELites	2 (4)	1 (2)
AUX bus	4 (28)	4 (19)
Color sampling	YCbCr Key 4 : 2 : 2 : 4, digital component, 10-bit	
Proc Amp	Included on all inputs	
Color corrector	4	2
Chroma key	2 (4)	1 (2)
KEYER	4 channels (Max. 8) (Each M/E) Luminance, Full, and Bus keys Edge, Box and Pattern masks Displayed on: ME	4 channels (Each M/E) Luminance, Full, and Bus keys Box and Pattern masks Displayed on: ME
FLEXaKEY	8 channels *FLEXaKEY expansion card required Luminance, Full, and Bus keys Box mask Displayed on: ME, MELite	4 channels *FLEXaKEY expansion card required Luminance, Full, and Bus keys Box mask Displayed on: ME, MELite
2.5D DVE	6 channels (Max. 10) (Each M/E) * 4 channels in 3G-SDI (Each M/E)	2 channels (Each M/E)

2D DVE	8 channels (Optional) * Used in FLEXaKEY	2 channels (Optional) * Used in FLEXaKEY
Transition	MIX, WIPE(DVE), FAM or NAM	
Multi viewer	2 (4)	2 (4) * HD size resolution
STILL	6 *with KEY (Max. 4 clips)	3 *with KEY (Max. 3 clips)
VRAM	16GB * Clip video/still image management available	
Macros	100 Macros No. 00-89: Max. 30 actions No. 90-99: Max. 300 actions	
Genlock input	•Tri-level sync or BB •75Ω BNC x 1, loop-through	
Genlock output	•Tri-level sync or BB •75Ω BNC x 1	
System phase adjustment	Horizontal: -1/2H to 1/2H	
Video I/O delay	TBD (Approx. 1H)	
Audio input	Embedded audio on each SDI input: 1-16 channels 48 kHz 16/24-bit PCM	
Audio input (DANTE)	64 channels. 16/24-bit PCM. 44.1kHz (input only) or 48kHz RJ-45 x 2 (Primary / Secondary) 1000BASE-T Redundant or daisy-chain connection available	
LAN port	(HVS-LAN) 10/100/1000BASE-T RJ-45 (For HVS connection) (EXT-LAN) 10/100/1000BASE-T RJ-45 (For PC and external device connection)	
GPI IN/TALLY	(Standard) 25pin D-sub (female) *20 inputs/outputs Pin functions configurable in the menu. (Option) 25pin D-sub (female) *24 inputs/outputs * One port on HVS-Q12EXTIF card, Max. 2 cards	
RS-422	9pin D-sub (female) Max. 4 * Two ports on HVS-Q12EXTIF card, Max. 2 cards	

Option

HVS-Q12UHD	UHD control software option
HVS-Q12MV1	Multi-Viewer control software option
HVS-Q12MV2	Multi-Viewer control software option
4K UP/DOWN Converter	HDR/SDR and color gamut converter (Provided by license)
HVS-Q12IO	SDI I/O expansion card ※12 inputs, 6 outputs (Max. 3)
HVS-Q12ME	M/E expansion card
HVS-Q12FLX	FLEXaKEY expansion card
HVS-Q12SSD	SSD option
HVS-Q12EXTIF	External I/F expansion card (Max. 2)
HVS-Q12PSM	Power supply unit for HVS-Q12 (1 set)

HVS Series common options

HVS-AUX16A/32A/ 64A/16B/16C/16D	Auxiliary Unit (Ethernet LAN connection)
HVS-TALR32	Tally Control Unit (Relay type) (RS-422 connection)
HVS-100DI-A	HD/SD-SDI input expansion card (4 channels)
HVS-100DO	HD/SD-SDI output expansion card (2 channels)
HVS-NIF	NDI I/F card
HVS-DNT	Dante audio card
HVS-492OU/ 492WOU/492ROU/ 491OU	HVS-490 Series control panels

Accessories
TBD

2. External Dimensions

(All dimensions in mm)

