

HVS-6000/6000M Datasheet

1. Specifications

Basic specifications

Temperature	0°C to 40°C	
Humidity	30% to 90% (no condensation)	
Power	100 V - 240 V AC \pm 10%, 50/60 Hz	
Consumption	[HVS-6000]	Standard: 1070 W (at 100-120 V) 1016 W (at 220-240 V) Full option: 2213 W (at 100-120 V) 1972 W (at 220-240 V)
	[HVS-6000M]	Standard: 873 W (at 100-120 V) 856 W (at 220-240 V) Full option: 930 W (at 100-120 V) 895 W (at 220-240 V)
Dimensions	[HVS-6000]	430 (W) x 500 (D) x 532 (H) mm 480 (W) (including rack mount brackets)
	[HVS-6000M]	430 (W) x 500 (D) x 310 (H) mm 480 (W) (including rack mount brackets)
Weight	[HVS-6000]	65 kg (With all options: 80 kg)
	[HVS-6000M]	45 kg (With all options: 47 kg)
Consumables (at 24-hour operation)	Power supply unit: Replace every 5 years. Cooling fans: Replace every 5 years. SSD: Replace every 5 years (which vary depending on usage environment).	

Technical specifications

Number of M/Es	[HVS-6000]	Standard :	2M/E
		HVS-6000ME x 1:	3M/E
		HVS-6000ME x 2:	3M/E+DSK
		HVS-6000ME x 2 + HVS-6000ME4:	4M/E
	[HVS-6000M]		2M/E
Video format	UHD 4K: 2160p /59.94, 50 (Single Link 12G-SDI) 2160p/ 29.97, 25, 24, 23.98 (6G-SDI Single Link) Full HD: 1080p / 59.94, 50 (Level-A only) HD: 1080i / 59.94, 50 10-bit YCbCr 4:2:2		
Video input	12G-SDI: 12 Gbps, 6G-SDI: 6Gbps, 3G-SDI: 3 Gbps, HD-SDI: 1.5 Gbps 75 Ω BNC		
Video input (option)	HVS-6000SDI / HVS-6000SDI-EX 12G-SDI: 12 Gbps, 6G-SDI: 6Gbps, 3G-SDI: 3 Gbps, HD-SDI: 1.5 Gbps 75 Ω BNC x 8		
Number of inputs	[HVS-6000]	Standard: 24, Max: 80	
	[HVS-6000M]	Standard: 24, Max: 32	
Video output	12G-SDI: 12 Gbps, 6G-SDI: 6Gbps, 3G-SDI: 3 Gbps, HD-SDI: 1.5 Gbps 75 Ω BNC		
Video output (option)	HVS-6000SDO 12G-SDI: 12 Gbps, 6G-SDI: 6Gbps, 3G-SDI: 3 Gbps, HD-SDI: 1.5 Gbps 75 Ω BNC x 8		
Number of outputs	[HVS-6000]	Standard: 24 (AUX 16), Max: 48 (included 32 auxiliaries)	
	[HVS-6000M]	24 (AUX 16)	
Color sampling	10-bit YCbCr Key: 4:2:2:4		
Reference input	75 Ω BNC x 1 w/ loop-through (Terminate with 75 Ω if not used.)		

System phase adjust	(Horizontal) -1/2H to +1/2H	
I/O delay	Minimum delay:	UHD 4K/FullHD: 2H HD: 1H (depending on conditions)
	W/ FS:	0-1 frame
	W/ up-converter:	Interlaced signal input: 0.5 to 1.5 frames Progressive signal input: 0-1 frame
	W/ DVE:	Interlaced: 1 frame Progressive: 2 frames
	W/ SUB EFFECT:	Interlaced: 1 frame Progressive: 2 frames
Effects	Wipe patterns:	100 (W/ modifier)
	DVE patterns:	2D pattern: 19, 3D pattern: 68 (W/ modifier)
	2D DVE: Std: 8 channels (1 channel per KEY, including DVE patterns) Max: 16 channels (in 4 M/E) 3D DVE: Std: 2 channels (1 channel per M/E BKGD, including DVE patterns) Max: 4 channels (in 4 M/E)	
	Sub effects	Mono color, Defocus, Paint, Mosaic, etc. Available for M/E PGM, PST, KEY1-4
Transition	Execution: Fader, AUTO or CUT button Type: MIX or WIPE (DVE and CG WIPE included)	
Still/Clip store	[HVS-6000] UHD 4K: 4 channels (W/ key), FullHD/HD: 8 channels (W/ key) [HVS-6000M] UHD 4K: 2 channels (W/ key), FullHD/HD: 4 channels (W/ key) Built-in RAM UHD 4K: 2,000 non-compressed frames (Approx. 30 sec) FullHD/HD: 8,000 non-compressed frames (Approx. 120 sec) Auto backup/resume	
KEY	[HVS-6000] Std: 8 channels (4 per M/E), Max. 16 channels [HVS-6000M] Std: 8 channels (4 per M/E) Bus key, Luminance key, Full key and Chroma key, Mask and Invert	
DSK (HVS-6000 only)	4 channels (4 keys and 4 backgrounds) Bus key, Luminance key and Full key, Mask	
Multiview output (HVS-6000MV) (HVS-6000 only)	MV Out: 4, BNC (MV images also assignable to AUX outputs) MV 4 channels: 4 independent layouts with 2 sets of window sources for MV1/2 and MV3/4 (Max 16 windows, input/images and clocks assignable) Information display: Audio level meter, Title, Safety area marker, On-air tally, Frame border I/O delay: Interlace: 1 frame Progressive: 2 frames	
Event memory buffers	Global: 100, Local: 100, Keyer: 8, Control panel: 10	
Macros	100 macros	
Interfaces		
LAN 1 (MAIN) LAN 2 (SUB)	100BASE-TX/1000BASE-T, RJ-45 x 2 For OU Control Unit and other device connection	
GPI IN	15-pin D-sub (female) x 1 (w/ inch screws) 12 inputs	
TALLY OUT	25-pin D-sub (female) x 1 (w/ inch screws) 23 outputs	
RS-422	9-pin D-sub (female) x 6 (w/ inch screws) For Tally Unit connection	
ALARM	9-pin D-sub (female) x 1 (w/ inch screws) Fan and power alarms, Relay contact output	

HVS-6000 options

HVS-6000ME	M/E / DSK expansion card (M/E expansion if installed on M/E slot and DSK expansion if installed on OPTION slot)
HVS-6000PSM	Power Supply Units (UNIT 3/4) for power redundancy
HVS-6000SDI	12G-SDI Input expansion card
HVS-6000SDI-EX	12G-SDI Input expansion card (for I/O slots)
HVS-6000SDO	12G-SDI Output expansion card
HVS-6000SDIC	Up-converter software license for each input
HVS-6000SDOC	Down-converter software license for each output
HVS-6000MV	Multiview output expansion card
HVS-6000ME4	4M/E expansion with 2 HVS-6000ME options with this license

HVS-6000M options

HVS-6000PSM	Power Supply Units for power redundancy
HVS-6000SDI	12G-SDI Input expansion card
HVS-6000SDIC	Up-converter software license for each input
HVS-6000SDOC	Down-converter software license for each output

HVS Series options

HVS-AUX16A/32A/64A/16B/16C/16D	Auxiliary Unit (Ethernet LAN connection)
HVS-TALR32	Tally Control Unit (Relay type) (RS-422 connection)
HVS-TALOC32	Tally Control Unit (Open Collector type) (RS-422 connection)
HVS-GPIO128	Interface Extension Unit (Ethernet LAN connection)
HVS-2000TPU	Touch Panel Unit
HVS-2000TPUS	Touch Panel Unit with PC

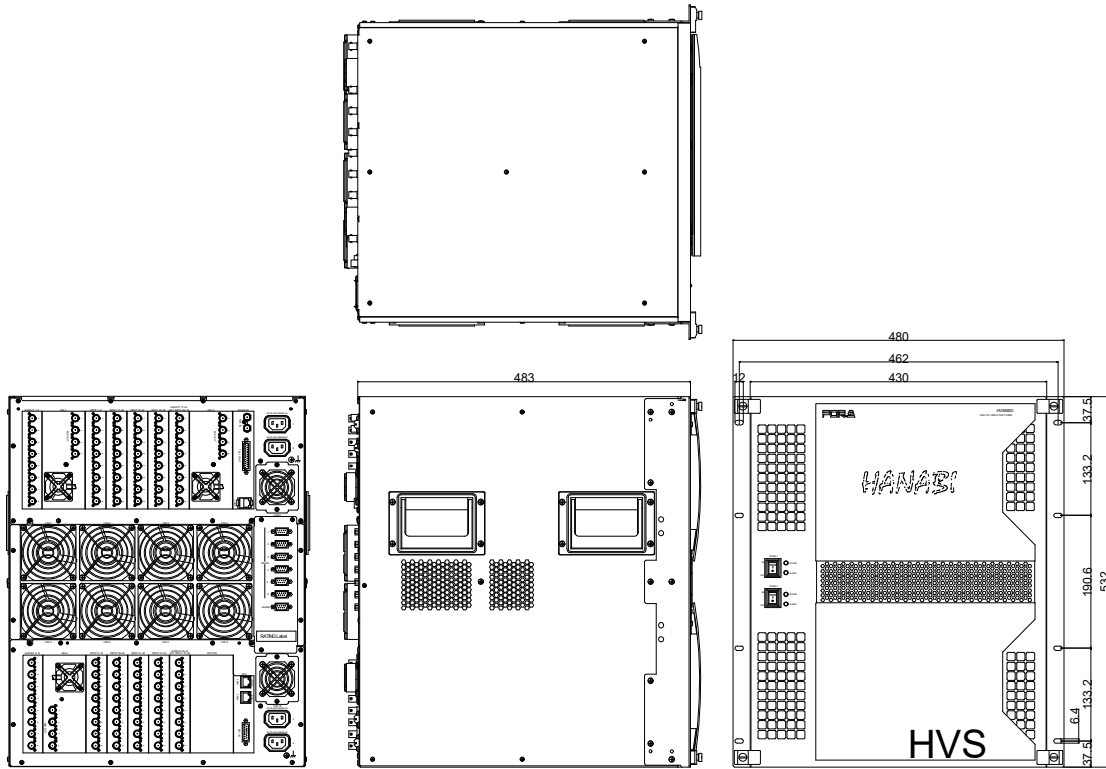
Accessories

AC Cord, Rack Mount Brackets, HVS-6000 CD-ROM, and Quick Setup Guide

2. External Dimensions

(All dimensions in mm.)

HVS-6000



HVS-6000M

