

IVS-710HS Datasheet

1. Specifications

Basic specifications

Temperature	0 - 40 °C
Humidity	30% - 90% (no condensation)
Power	100V - 240V AC (±10%) 50Hz/60Hz
Consumption	42 VA (40 W)(at 100V AC) (with IVS-710IF)
Dimensions	Half 1U (212 (W) × 44 (H) × 350 (D) mm)
Weight	3 kg (with IVS-710IF)
Consumables (at 24-hour operation)	(Recommended replacement time spans) Cooling fan: Replace every 5 years (at room temp.)

Technical specifications

Video Format	HD-SDI: 1080/60i, 1080/59.94i, 1080/50i, 720/60p, 720/59.94p, 720/50p	
	SD-SDI: 525/60 (NTSC), 625/50 (PAL)	
Signal Processing	Component, 4:2:2	
Video Input	HD-SDI 1.485/1.001Gbps, 1.485Gbps or SD-SDI 270Mbps	
	75Ω BNC x 2	
Video Output	HD-SDI 1.485/1.001Gbps, 1.485Gbps or SD-SDI 270Mbps	
	75Ω BNC x 3 (OUTPUT 1 can also output bypassed signals)	
Quantization	10-bit	
Sampling Frequency	HD-SDI	Y: 74.25/1.001MHz, 74.25MHz
		C: 37.125/1.001MHz, 37.125MHz
	SD-SDI	Y: 13.5 MHz
		C: 6.75 MHz
Internal Processing	2 inputs (Select manually) 1-channel processing 3 outputs	
Input Cable length	HD 5C-FB: approx. 100m	
	SD 5C-2V: approx. 200m	
Genlock Input	None (Input Lock only)	
Output Image Size	1920×1080 pixels max. (1080/59.94i, 1080/60i, 1080/50i) 1280×720 pixels (720/59.94p, 720/60p, 720/50p) 720×486 pixels (525/60), 720×576 pixels (625/50) (The angle of view varies according to the Input image size and Correction Level settings.)	
I/O Delay	1080/60i, 1080/59.94i, 1080/50i, 525/60, 625/50: 2 frames (No FS function)	
	720/60p, 720/59.94p, 720/50p: 4 frames (No FS function)	

Shake Correction	Correction range: Up to 40% horizontally and vertically of images
Frequency Response	Horizontally and vertically 1 Hz to 59.94/2 Hz(1080/59.94i, 720/59.94p, 525/60) 1 Hz to 60/2 Hz(1080/60i, 720/60p) 1 Hz to 50/2 Hz(1080/50i, 720/50p, 625/50) Shaking can be detected (nominal values).
Shake Type	Vertical, horizontal, and diagonal (two-dimensional)
Synchronization	Input mode, External reference mode * External reference mode requires an IVS-710IF option.
ANC Data	Both HANC and VANC can be passed through
Interfaces (IVS-710IF option)	
Genlock input	BB: 0.429 Vp-p (NTSC) or 0.45 Vp-p (PAL), or Tri-level sync: 0.6 Vp-p Phase adjustable range: $\pm 1/2H$
LAN	100BASE-TX/1000BASE-T, RJ-45 x 1
RS-232C/422	9-pin D-sub (male) x 1

Options

Rack mount bracket set (Type 1)	For single unit mount into EIA 1RU rack space.
IVS-710IF	Interface Card

Accessories

AC cord, CD-ROM, and Packing list

2. External Dimensions

(All dimensions in mm.)

