

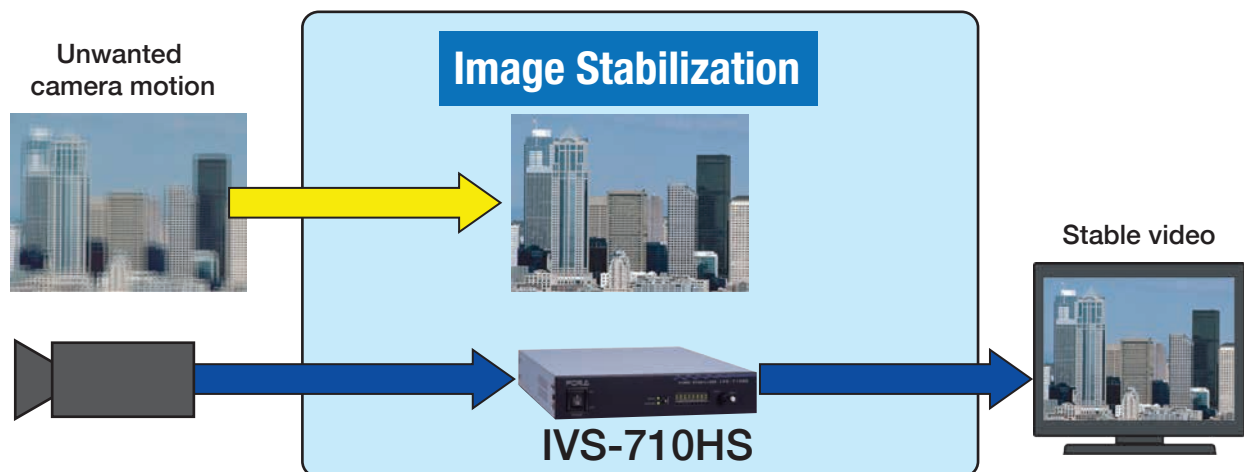
HD/SD Video Stabilizer

IVS-710HS



Digital video stabilizer to correct unwanted camera movement and many forms of vibration. The IVS-710HS provides real-time correction focused on unwanted camera motion while maintaining camera pan and tilt movement. Supports HD/SD-SDI input and output.

The IVS-710HS offers high-performance video processing in a compact, 1/2U body. Ideal for eliminating unwanted motion from weather cameras, hand held news cameras, or program production motion problems.



- HD-SDI and SD-SDI formats: 1080i, 720p, 525/60, and 625/50
- Provides real-time motion correction (2-frame delay)
- Auto detection of camera pan/tilt — only unwanted motion corrected
- Correction for both live and recorded video
- Powerful correction: up to 40% of source screen size, vertically or horizontally
- Sub-pixel precision
- Straightforward design— simply supply video signals, no special connection required
- Correction in active area only, preserves blanking data
- Blanking data transmission timing not affected by correction delay
- GUI control function via web browser (Option)
- RS-232C/RS-422/LAN interfaces enable remote control (Option)

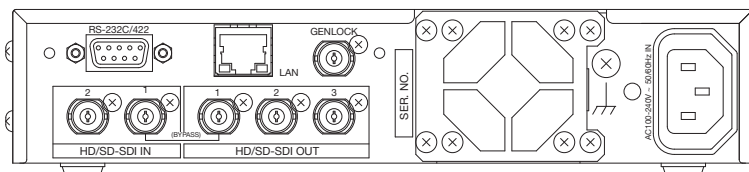
IVS-710HS HD/SD Video Stabilizer

Specifications

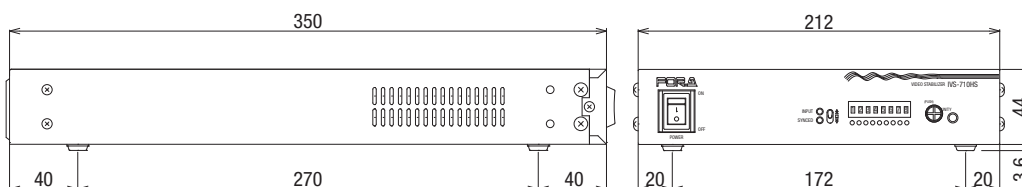
Video formats	HD-SDI: 1080/60i, 1080/59.94i, 1080/50i, 720/60p, 720/59.94p, 720/50p, SD-SDI: 525/60 (NTSC), 625/50 (PAL)
Signal processing	4:2:2 component
Video input	HD-SDI: 1.485/1.001 Gbps, 1.485 Gbps or SD-SDI: 270 Mbps 75Ω BNC x2
Video output	HD-SDI: 1.485/1.001 Gbps, 1.485 Gbps or SD-SDI: 270 Mbps 75Ω BNC x3 (processing bypass available for output 1)
Quantization	10-bit
Sampling frequency	
HD-SDI	Y: 74.25/1.001 MHz, 74.25 MHz C: 37.125/1.001 MHz, 37.125 MHz
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 (Belden 1694A): approx. 100 m, SD 5C-2V (Belden 8281): approx. 200 m
Genlock input	None (Input Lock only)
Output image size	1920 x 1080 pixels max. (1080/59.94i, 1080/60i, 1080/50i) 1280 x 720 pixels (720/59.94p, 720/60p, 720/50p) 720 x 486 pixels (525/60), 720 x 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. Detects shakes for 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), or 1 Hz to 50/2 Hz (1080/50i, 720/50p, 625/50) (nominal values) Shake Type: vertical, horizontal, and diagonal (two-dimensional) Correction accuracy: sub-pixel level
Synchronization	Input mode, External reference mode (External reference mode required an IVS-710IF option)
ANC data	Both HANC and VANC can be passed through
Interface with IVS-710IF (optional)	Genlock Input: BB: 0.429 Vp-p (NTSC)/0.45 Vp-p (PAL) / Tri-level sync: 0.6 Vp-p, Phase adjustable range: ±1/2 H LAN: 100Base-TX / 1000Base-T RJ-45 x1 RS-232C/422: 9-pin D-sub (male) x1
Temperature / humidity	0°C to 40°C / 30% to 90% (no condensation)
Power / consumption	100 VAC to 240 VAC±10%, 50/60Hz / 42VA (40W) (at 100 VAC) (with IVS-710IF)
Dimensions / weight	212 (W) x 44 (H) x 350 (D) mm (half 1U) / 3 kg (with IVS-710IF)
Accessories	Operation manual / AC cord with retaining clip
Consumables	Cooling fan: replace every 5 years (at room temperature)
Options	Rack mount brackets (for single unit mount into EIA 1 RU rack space) IVS-710IF: Interface card

To guard against the effects of salt or corrosive gases, do not use in a corrosive environment (near salt water, etc.).
Use protective housing when using in a corrosive environment.

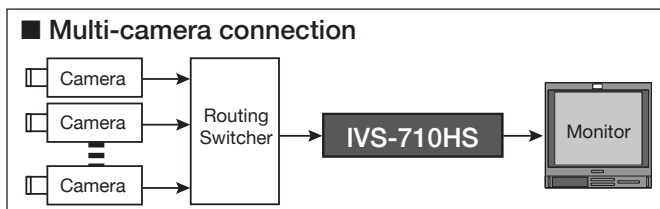
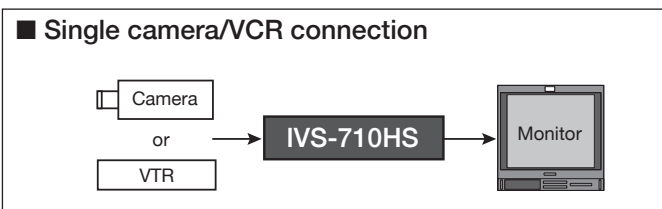
Rear Panel with IVS-710IF



External Dimensions



Connection Sample



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