

HD/SD Video Stabilizer

IVS-700HS



An HD/SD multi bit rate digital video stabilizer, the IVS-700HS uses a moving image processor to electrically correct shaky camera images, with the ability to correct only the unintentional instability, while maintaining pan and tilt movements of the camera. The IVS-700HS can also correct unsteadiness on recorded VCR tapes.

- Real time correction of unsteady images is possible.
- Pan and Tilt movements are automatically identified, correcting only unintentional unsteadiness.
- Correction can be realized not only for live images but for images already recorded on VCR tapes.
- Correction is possible for up to $\pm 40\%$ of the screen, vertically or horizontally.
- Correction accuracy measurable in sub-pixels is achieved.
- Easy system integration.
- HD-SDI and SD-SDI format switchable.
- Ideal for news and sports gathering, and for camera systems utilizing zoom lenses over 30mm (i.e. weather, traffic surveillance cameras).

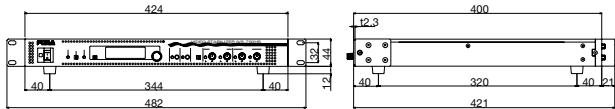
Specifications

Standard	HD: 1080/60i, 59.94i, 50i, 720/60p, 59.94p, 50p, 525/60, 625/50 (selectable at menu)
Video Input	HD SDI: 1.485Gbps or 1.485/1.001Gbps or SD SDI: 270Mbps, 75W, 1ea., BNC
Reference Input	BB: 0.429Vp-p (NTSC) / 0.45Vp-p (PAL) or Tri-level Sync: $\pm 0.3V$, loopthrough, 1ea., BNC (Input phase-lock range: $\pm 1/2H$ against genlock input)
Video Output	HD SDI: 1.485Gbps or 1.485/1.001Gbps or SD SDI: 270Mbps, 75W, 2ea., BNC (depends on the input signals)
Signal Processing	4:2:2 component
Quantization	10-bit
Total Delay	2 frames (without frame synchronizer)
Correction Function	
Correction Method	2 dimensional movement in horizontal, vertical and oblique direction
Correction Range	Adjustable to max. 40% of image size
Correction Accuracy	Sub-pixel level
Interfaces	RS-232C/422: 1ea., 9-pin D-sub (male) GPI: 1ea., 9-pin D-sub (female)
Temperature / Humidity	0°C - 40°C / 30% - 90% (no condensation)
Power / Consumption	100VAC - 120VAC $\pm 10\%$ or 220VAC - 240VAC $\pm 10\%$, 50/60Hz / 53W
Dimensions / Weight	424 (W) x 44 (H) x 421 (D) mm, EIA1RU / 7.0kg
Accessories	Operation manual / AC cord / Rack mount brackets

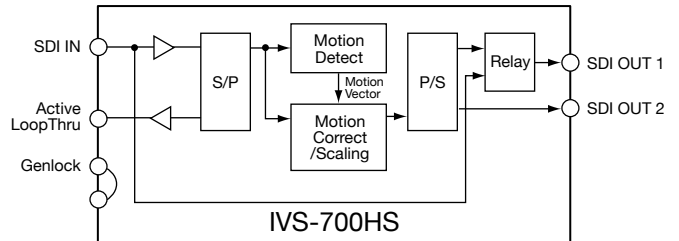
Rear Panel



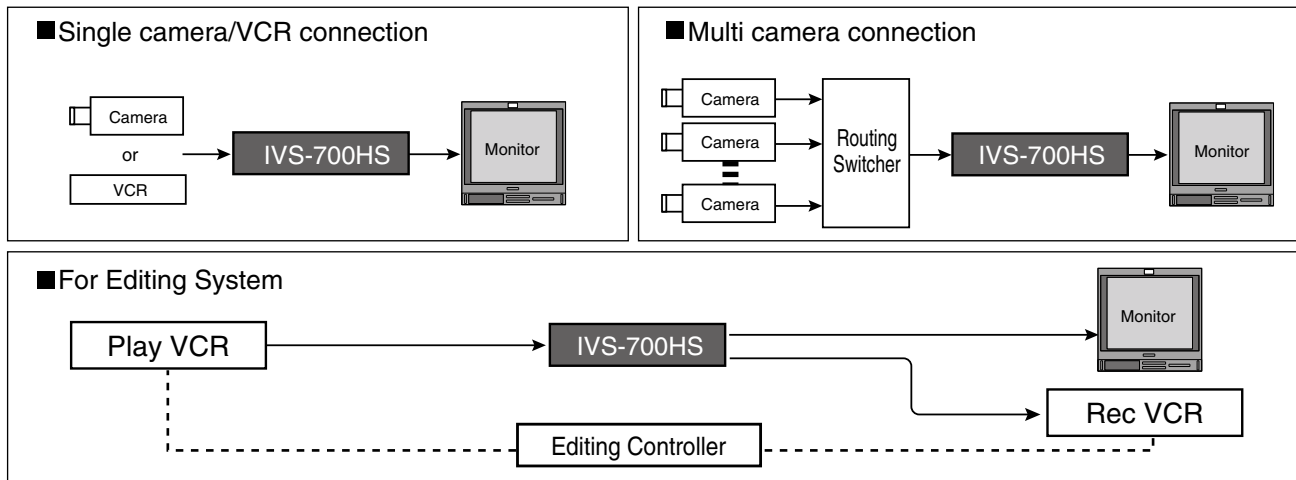
External Dimensions



Block Diagram



Connection Sample



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

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ISO 14001

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