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)
**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
- SD-SDI: 270 Mbps

**Video output**
- HD-SDI: 1.485/1.001 Gbps, 1.485 Gbps
- SD-SDI: 270 Mbps

**Quantization**
- 10-bit

**Sampling frequency**
- HD-SDI: 74.25/1.001 MHz, 74.25 MHz
- SD-SDI: 13.5 MHz

**Internal processing**
- 2 Inputs (Select manually) 1-channel processing 3 outputs

**Input cable length**
- HD-SDI: 5C-FB Belden 1694A, approx. 100 m
- SD-SDI: 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: B/W: 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**

- **Single camera/VCR connection**
  - Camera
  - or
  - IVS-710HS
  - Monitor

- **Multi-camera connection**
  - Camera
  - Camera
  - Routing Switcher
  - Camera
  - IVS-710HS
  - Monitor

© 2015 FOR-A Company Ltd. FOR-A is a registered trademark of FOR-A Company Ltd. Design and specifications subject to change without notice. Printed in Japan. 1509NPC