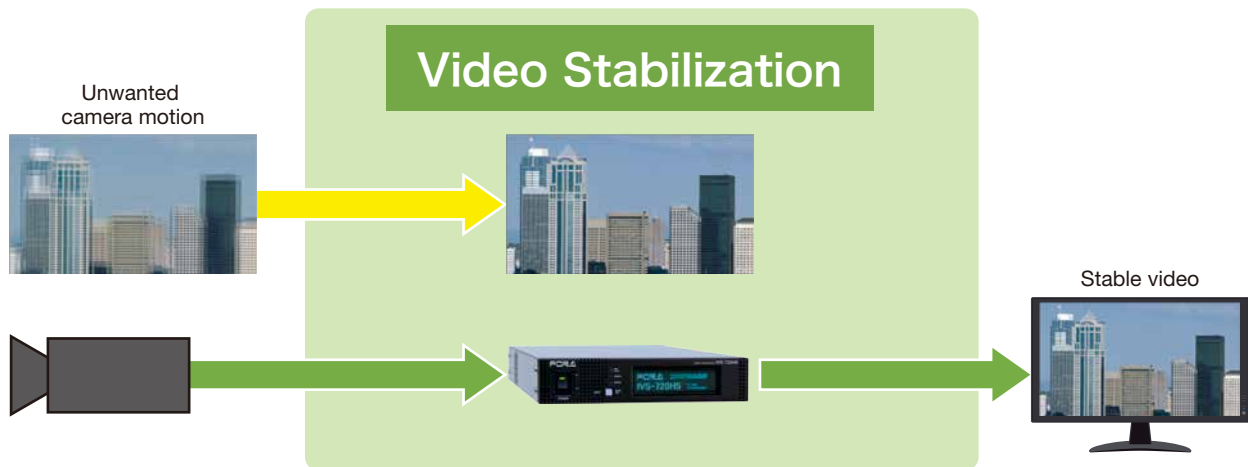


VIDEO STABILIZER IVS-720HS



The photo is a sample image.

Digital video stabilizer to correct unwanted camera movement and many forms of vibration. The IVS-720HS provides real-time correction focused on unwanted camera motion while maintaining camera pan and tilt movement. Ideal for eliminating unwanted motion from weather cameras, hand held news cameras, or program production motion problems. Includes the optional ability to remove haze in real-time.



Features

- 3G/HD-SDI and SD-SDI formats: 1080p, 1080i, 720p, 525/60, 625/50.
- Compact 1RU size.
- Provides real-time motion correction (2-frame delay).
- Real-time haze or fog removal function.
- 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.
- RS-232C/RS-422/LAN interfaces enable remote control.
- GUI control function via web browser.

Options

■ Haze removal function (software)

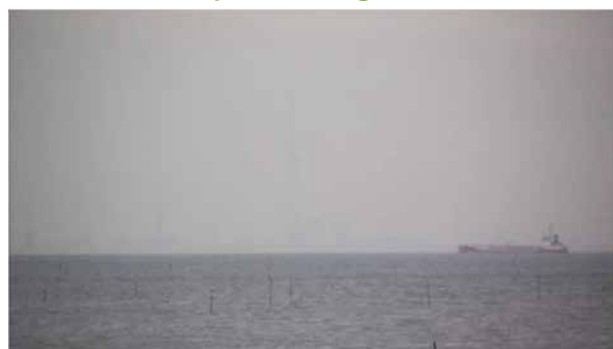
- Improved processing with unique FOR-A technology.

Enables real-time removal processing of natural phenomenon such as haze or fog which prevent monitoring.

- Haze removal function can be processed simultaneously with camera motion correction.

IVS-720HS improves visibility even at locations where severe weather occurrences regularly hamper visibility, such as monitoring shipping ports.

Haze removal processing



Original image



Corrected image

■ EIA rack mount brackets

Examples of system configuration

■ Single camera/VCR connection



■ Multi-camera connection



IVS-720HS Datasheet

1. Specifications

Basic specifications

Temperature	0°C - 40°C
Humidity	30% - 90% (no condensation)
Power	+12V DC
Consumption	46 W
Dimensions	212 (W) x 44 (H) x 350 (D) mm 480 (W) (Including single or dual rack mount brackets)
Weight	3.0 kg
Consumables (at 24-hour operation)	Cooling fan: Replace every 5 years (at room temp.)

Technical specifications

SDI video format	1080/60p, 59.94p, 50p, 30p, 25p 1080/60i, 59.94i, 50i 720/60p, 59.94p, 50p 525/59.94i, 625/50i
Video input	3G-SDI: 3Gbps (Level-A/B) HD-SDI: 1.5 Gbps SD-SDI: 270 Mbps 75-ohm BNC x 2 IN1 to OUT1 relay bypass output available
Video output	3G-SDI: 3Gbps (Level-A/B) HD-SDI: 1.5 Gbps SD-SDI: 270 Mbps 75-ohm BNC x 3 (Same video image) IN1 to OUT1 relay bypass output available
Color sampling	3G/HD/SD-SDI: 4:2:2 10-bit
Synchronization	Genlock mode (IVS-720IF option required), Input Lock mode
I/O delay	1080i, 525i, 625i: 2 frames (w/o Frame Sync function) 1080p, 720p: 4 frames (w/o Frame Sync function)
Haze removal and low-light / backlight correction (IVS-720HR option)	FOR-A proprietary algorithm
Shake correction	Correction range: Up to 40% horizontally and vertically
Frequency response	Horizontal and vertical shake detection (nominal values) 1Hz to 60/2Hz (1080/60p, 1080/60i, 720/60p) 1Hz to 59.94/2Hz (1080/59.94p, 1080/59.94i, 720/59.94p, 525/59.94i) 1Hz to 50/2Hz (1080/50p, 1080/50i, 720/50p, 625/50i) 1Hz to 30/2Hz (1080/30p) 1Hz to 25/2Hz (1080/25p)
Shake type	Vertical, horizontal, and diagonal (two-dimensional)
ANC Data	Both HANC and VANC data can be passed through

Interfaces (IVS-720IF option)	
Genlock input	BB: NTSC: 0.429 Vp-p / PAL: 0.45 Vp-p or Tri-level Sync: 0.6 Vp-p 75-ohm, BNC x 1
Adjustable range	$\pm 1/2H$ referring to genlock input (in Genlock mode)
LAN	100BASE-TX RJ-45 x 1 W/o IVS-720IF: For update use only W/ IVS-720IF: For update and remote control through Web GUI, SNMP and LAN commands
RS-232C/422	9-pin D-sub (male) x 1

Options

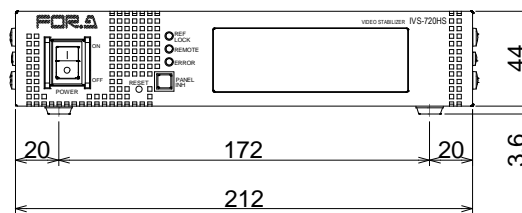
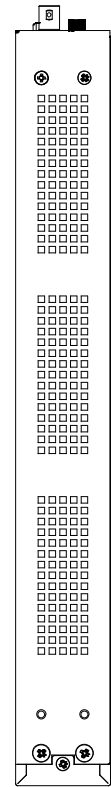
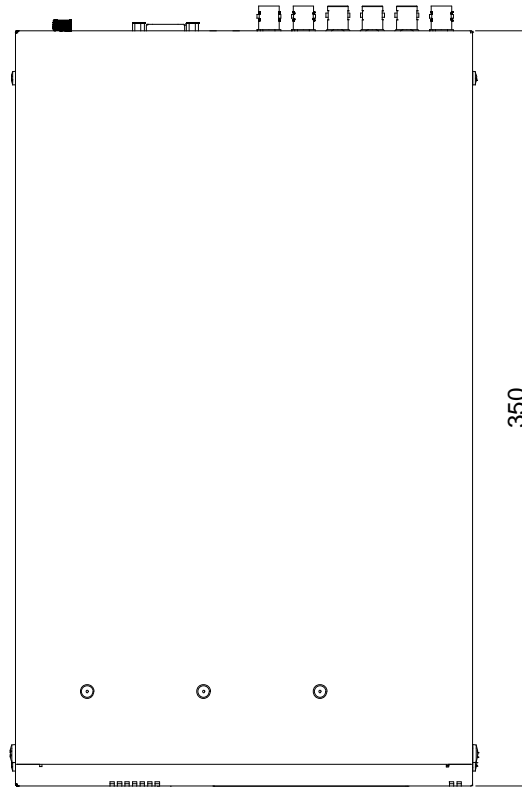
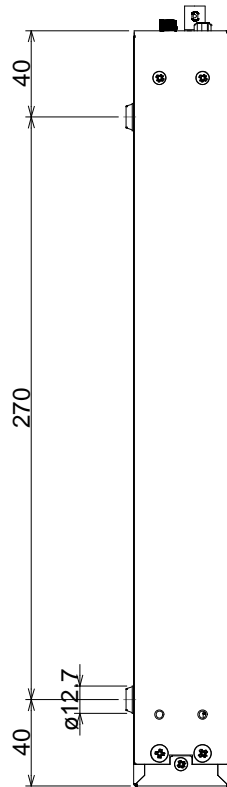
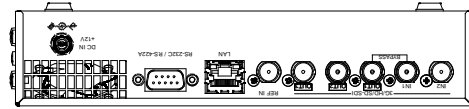
EIA Rack Mount Bracket set (Type 1)	For mounting a single unit to a 1RU rack space.
EIA Rack Mount Bracket set (Type 2)	For mounting two units to a 1RU rack space.
IVS-720IF	Interface function
IVS-720HR	Haze removal and low-light / backlight correction

Accessories

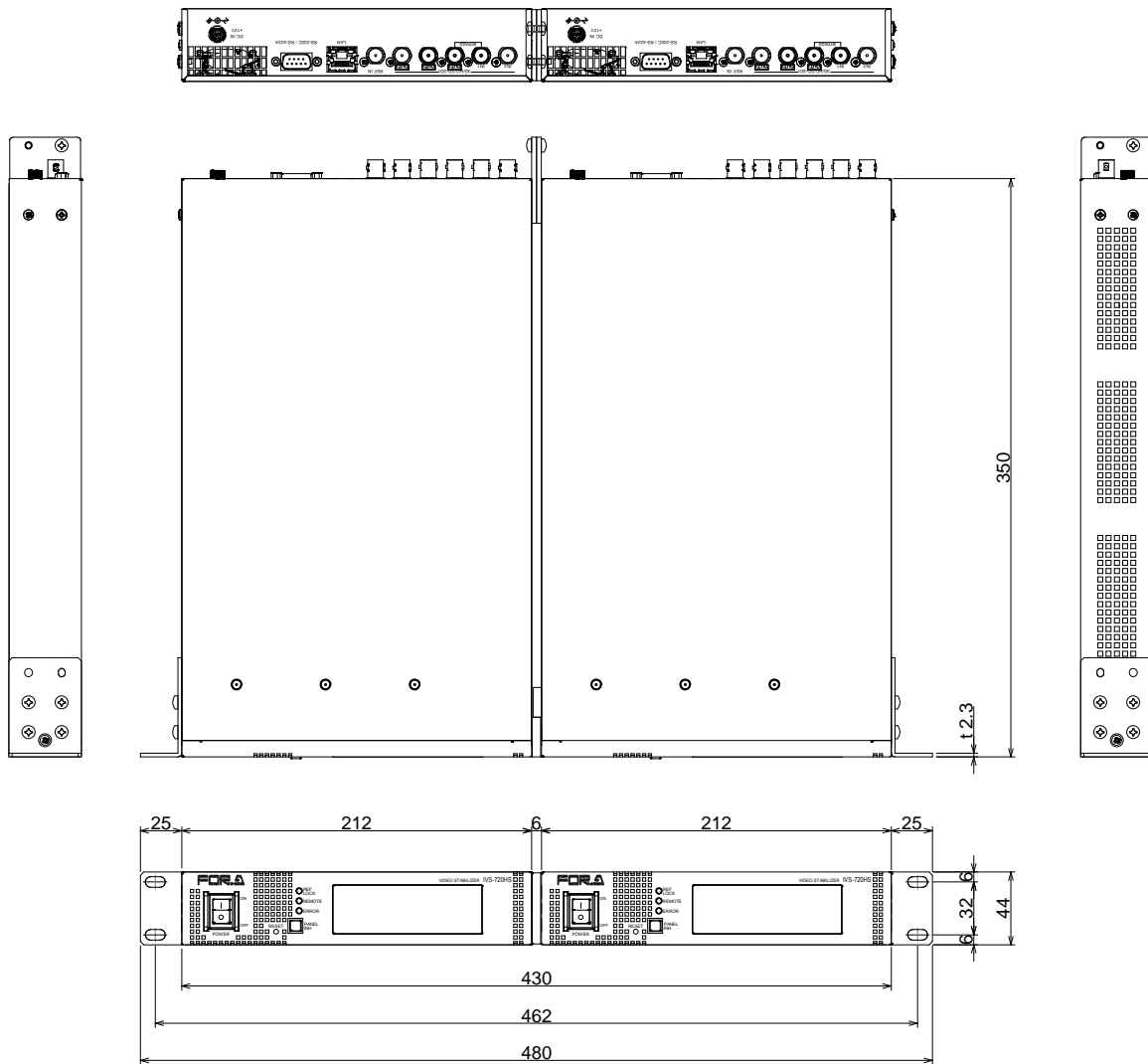
AC adaptor, CD-ROM, and Packing List

2. External Dimensions

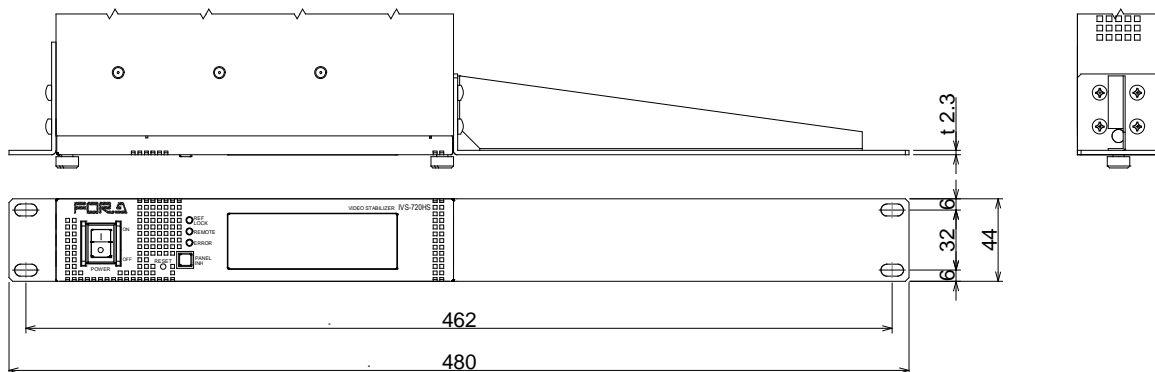
(All dimensions in mm.)



◆ Installing two units in a rack



◆ Installing one unit in a rack





FOR-A COMPANY LIMITED www.for-a.com

ISO 9001 and 14001 certified
(Sakura R&D)

Head Office:

3-8-1 Ebisu, Shibuya-ku, Tokyo 150-0013, Japan
Tel: +81 (0)3-3446-3936

**FOR-A Corporation of America
Corporate Office/Service Center:**

11155 Knott Ave., Suite G, H & I, Cypress, CA 90630, U.S.A.
Tel: +1 714-894-3311

FOR-A Corporation of America Northeast Office:

Tel: +1 973-220-8471

FOR-A Corporation of America Southeast Office:

Tel: +1 305-773-7608

FOR-A Corporation of America Support Center:

2400 N.E. Waldo Road, Gainesville, FL 32609, U.S.A.
Tel: +1 352-262-5779

FOR-A Latin America and the Caribbean Miami Office:

Tel: +1 657-600-5759

FOR-A Latin America and the Caribbean Sao Paulo Office:

Tel: +55 11-99913-3751

FOR-A Europe S.r.l.:

Via Volturno, 37, 20861 Brugherio MB, Italy
Tel: +39 (0)39-916-4811

FOR-A UK Limited:

Trident Court, 1 Oakcroft Road, Chessington, KT9 1BD, UK
Tel: +44 (0)20-3044-2935

FOR-A Italia S.r.l.:

Via Volturno, 37, 20861, Brugherio MB, Italy
Tel: +39 (0)39-881-086

FOR-A Corporation of Korea:

1007, 57-5, Yangsan-ro, Yeongdeungpo-gu, Seoul 07271, Korea
Tel: +82 (0)2-2637-0761

FOR-A China Limited:

1618A Huateng Building, No. 302, 3 District, Jinsong, Chaoyang,
Beijing 100021, China
Tel: +86 (0)10-8721-6023

FOR-A Middle East-Africa Office:

DSC Tower, Office 207, Dubai Studio City,
P.O. Box 502688, Dubai, UAE
Tel: +971 (0)4-551-5830

FOR-A India Private Limited Corporate Office:

Unit No: 800, World Trade Tower, Sector-16, Noida-201301, Uttar
Pradesh, India
Tel: +91-120-4238674 / +91-120-4252330

FOR-A India Private Limited Mumbai Office:

202-203, Wellington Business Park No-01, Marol, Off, Andheri Kurla
Road, Andheri East, Mumbai-400059, Maharashtra, India
Tel: +91 22-49795570

FOR-A South East Asia Office:

Studio 09, Rm. A1, 3/F., Phase 1, Hang Fung Ind. Bldg., 2G Hok
Yuen St., Hung Hom, Hong Kong
Tel: +852-2110-9227