

4K(QFHD) MONITORING DOWN CONVERTER

MV-42HSA



The MV-42HSA enhanced functionality of FOR-A's MV-42HS HD/SD multi viewer. In addition to HD-SDI, SD-SDI and analog composite inputs, the unit newly supports 3G-SDI (Level A/B) inputs and 4-input split-screen displays. The MV-42HSA is perfect for use as a down-converter that monitors 4K footage on an HD or PC monitor.

As a 4K (QFHD) monitoring converter

- Outputting QFHD (3G-SDI x 4) as HD-SDI and DVI-D (1920x 1080i or 1280 x 720p) allows signal monitoring on an HD or PC monitor
- 4K (QFHD) mode: Able to undisplay each window frame and QFHD inputs can be displayed seamlessly.
- One of four signal inputs can be displayed full-screen, allowing you to examine the footage on a dot-by-dot basis

Features

- Supports mixed 3G-SDI (Level A/B), HD-SDI and SD-SDI signal input (Mixed and asynchronous input supported)
- Supports mixed analog composite input (MV-42AI)
- Outputs high-definition HD-SDI and DVI-D (1920 x 1080 or 1280 x 720) images
- Video loss detection
- Full screen, 2-split (right, left), and quad screen output selectable
- Audio level metering for 3G/HD/SD-SDI embedded audio signals (Up to 8-channel display)
- Displays ancillary time code (ATC) embedded on 3G/HD/SD-SDI input signals
- Max. 16-character title displays for each input (alphanumeric and symbols)
- Supports genlock input, color selectable (red, green) tally indicator display, LAN remote control, and date/time display (with MV-42IF)
 - RS-232C/LAN interface remote control and/or title settings
 - RS-232C/LAN/GPI tally-input frame displays for individual channels
 - Remote control and tally inputs via GPI
 - Date/time display
 - Genlock for external sync signal and HD-SDI/DVI-D output

MV-42HSA Specifications

Video Input	4 inputs in the following video formats (Mixed input, asynchronous acceptable) 3G-SDI: 3 Gbps, 75Ω BNC Video Format: 1080/60p, 1080/59.94p, 1080/50p (Level-A/B) Color format: YCbCr (4:2:2) Quantization: 10-bit HD-SDI: 1.5 Gbps, 75Ω BNC Video Format: 1080/60i, 1080/59.94i, 1080/50i, 1080/30p, 1080/30PsF, 1080/29.97p, 1080/29.97PsF, 1080/25p, 1080/25PsF, 1080/24p, 1080/24PsF, 1080/23.98p, 1080/23.98PsF, 720/60p, 720/59.94p, 720/50p, 720/24p, 720/23.98p Color format: YCbCr (4:2:2) Quantization: 10-bit SD-SDI: 270 Mbps, 75Ω BNC Video Format: 525/60 (NTSC), 625/50 (PAL) Color format: YCbCr (4:2:2) Quantization: 10-bit	I/O Delay	Max. 1.5 frames
		Screen Display	Full screen, 2-split (right, left) screen, Quad screen
		Audio Level Metering	Audio level metering for 3G/HD/SD-SDI input signal embedded audios (Up to 8 channels)
		Time Code Display	Embedded time code display for 3G/HD/SD-SDI signals
		Title Display	Max.16 characters x 1 line for each input channel Character types: Alphanumeric characters and symbols
		Data Backup	Stores the setting data to EEPROM
		Interface	For remote control and title settings RS-232C: 9-pin D-sub (male) x 1 Baud rate: 38,400 bps data length: 8-bit, stop bit: 1-bit, Parity: NONE
		Temperature/Humidity	0°C to 40°C / 30% to 90% (no condensation)
		Power	+12 V DC (DC jack) *AC adapter can be separately purchased. AC adapters satisfying the following are required - Output voltage: DC +12V, Output current: 2A, Inrush current: 30A - Connector: JEITA RC-5320A Standard Voltage Class4 *Plug jack on MV-42HSA is HOSIDEN HEC3800-01-010, which requires center positive AC adapter
Video Output	HD-SDI: 1.5 Gbps, 75Ω BNC x 1 Video Format: 1080/59.94i, 1080/50i, 720/59.94p, 720/50p Color format: YCbCr (4:2:2) Quantization: 10-bit * Embedded audio is unsupported DVI-D: DVI-D connector x 1 Output resolution: 1920 x 1080i or 1280 x 720p Color format: RGB Quantization: 8-bit * HDCP is unsupported * No input/output frame rate converter. * Frame rate difference between input and output may result in the repeat frame or drop frame.	Power Consumption	*with the optional AC adapter Standard 22 VA (12 W) (at 100 V), 23 VA (11 W) (at 200 V) with MV-42IF 23 VA (13 W) (at 100 V), 26 VA (13 W) (at 200 V) with MV-42AI 26 VA (16 W) (at 100 V), 29 VA (15 W) (at 200 V) with MV-42IF and MV-42AI 28 VA (15 W) (at 100 V), 31 VA (16 W) (at 200 V)
		Dimensions/Weight	212 (W) x 44 (H) x 161 (D) mm / 1.16kg
		Accessories	Operation manual (CD-ROM), Quick Setup Guide
		Consumables	Cooling fan: P1472 (front, rear) Replace every 3 years (at ordinary temperature)
		Options	MV-42AI: Analog Composite Input Card MV-42IF: Interface Card Option AC Adapter Single mount or dual mount rack brackets

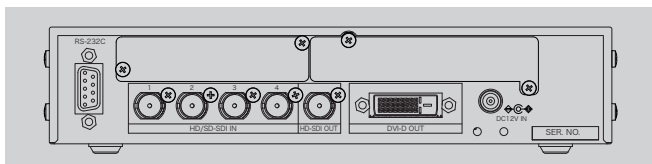
MV-42AI (Analog Composite Input Card Option)

Video Input	Analog composite: 1.0 Vp-p 75Ω BNC x 4 (Analog composite or SDI input selectable for each input using the menu) Video Format: NTSC, PAL Color format: YCbCr (4:2:2) Quantization: 8-bit
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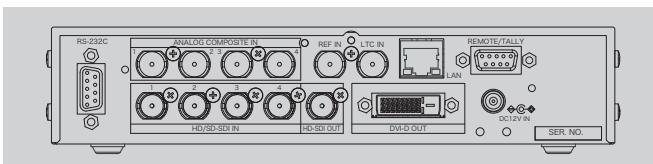
MV-42IF (Interface Card Option)

Genlock Input	BB: NTSC 0.429 Vp-p/PAL 0.45 Vp-p, Tri: 0.6 Vp-p, 75Ω BNC x 1
LTC Input	SMPTC time code: 1.0 Vp-p ±6 dB, 75Ω BNC x 1
REMOTE/TALLY Input	9-pin D-sub female: Up to 8 inputs, Red/green tally inputs CHs 1-4 (negative logic level signal or make contact) Full screen switching, full screen display, multi channel screen display, time correction, alarm reset (negative logic pulse signal or make contact)
Date/Time Display	Internal clock or LTC time code input
LAN	10BASE-T/100BASE-TX, RJ-45 (Category 5) x 1

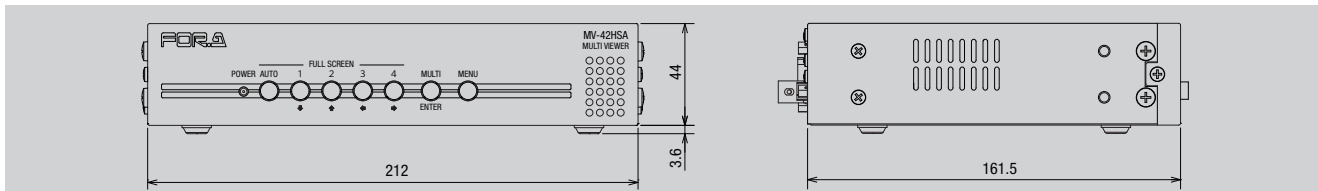
Rear Panel



Rear Panel (with Option)



External Dimensions



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