

## MV-42HS Datasheet

### 1. Specifications

#### Basic specifications

Temperature	0°C to 40°C
Humidity	30% to 90% (no condensation)
Power	12V DC (DC jack) * AC adaptor can be separately purchased. Use an AC adaptor that meets the following requirements. Output voltage: 12V DC, Output ampere: 2A, Inrush current: 30A, Connector: JEITA RC-5320A Standard Voltage Class4 * The MV-42HS connector is HOSIDEN-produced HEC3800-01-010. Center positive voltage.
Consumption	19 VA (10 W) (at 100V), 22 VA (10 W) (at 200V) With MV-42IF/IFA option: 20 VA (11 W) (at 100V), 24 VA (10 W) (at 200V)* With MV-42AI option: 23 VA (12 W) (at 100V), 27 VA (12 W) (at 200V)* With MV-42IF/IFA and MV-42AI options: 24 VA (13 W) (at 100V), 28 VA (13 W) (at 200V)* * Used with the optional AC adaptor.
Dimensions	212 (W) x 44 (H) x 161 (D)mm EIA 1 RU Half Rack 480 (W) (Including single or dual rack mount brackets)
Weight	1.16 kg
Consumables (in constant operating 24 hours a day at normal temperature)	Cooling fan: P1472 Replace every 3 years

#### Technical specifications

Video input	4 inputs in the following video formats (Mixed input, asynchronous acceptable)
HD-SDI	1.485Gbps or 1.485/1.001Gbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit
SD-SDI	270Mbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit
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, 525/60(NTSC) , 625/50(PAL)
Video output	
HD-SDI	1 output, 1.485Gbps or 1.485/1.001Gbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit * Embedded audio is unsupported.

DVI-D	1 output, DVI-D connector Color format: RGB Quantization: 8-bit * HDCP is unsupported.
Video format	1080/59.94i, 1080/50i, 720/59.94p, 720/50p * No input/output frame rate converter. A frame rate difference between the input and output may result in a repeat frame or drop frame.
I/O delay	Max. 1.5 frames
Screen display	Full screen, 2-split screen, Quad-split screen
Audio level metering	Audio level metering for HD/SD-SDI input signal embedded audios (Up to 8 channels)
Time code display	Embedded time code display for 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 title settings and remote control over the unit
RS-232C	9-pin, D-sub male, x1 Baud rate: 38,400bps, data length: 8-bit, stop bit: 1-bit, Parity: NONE

#### **MV-42AI (Analog Composite Input Card) Option**

Video input	4 inputs (Select analog composite or SDI input for each input channel in the menu.) Analog composite: 1.0 Vp-p, 75 Ω, BNC Color format: YCbCr (4:2:2) Quantization: 8-bit
Video format	NTSC, PAL

#### **MV-42IF/IFA (Interface Card) Option**

Video input	4 inputs (Select analog composite or SDI input for each input channel in the menu.) Analog composite: 1.0 Vp-p, 75 Ω, BNC Color format: YCbCr (4:2:2) Quantization: 8-bit
Video format	NTSC, PAL
Genlock input	1 input, 75 Ω, BNC BB: NTSC 0.429 Vp-p BB: PAL 0.45 Vp-p Tri-level sync: 0.6 Vp-p
LTC input	1 input, BNC, high-impedance SMPTE time code: 1.0 Vp-p, within ±6 dB

REMOTE/TALLY input	9-pin D-Sub female: max. 8 inputs Red/green tally inputs 1 to 4 (Negative logic level signal or Make-contact) Full screen automatic switching, Full screen display, Multi-channel screen display, Internal clock correction (Adjust in) and Alarm reset (Negative logic pulse signal or make contact)
Date/Time display	Date and time display using internal clock or LTC input * Accuracy to within $\pm 10$ sec/month (at 25°C)
LAN	10Base-T/100BASE-TX RJ-45 (Category 5) x 1
Consumables	Backup battery (internal clock): Replace every 5 years (in constant operating 24 hours a day at normal temperature)

**Accessories**

CD-ROM and Quick setup guide

**2. External Dimensions**

(All dimensions in mm.)



