## MV-42HSA Datasheet

### 1. Specifications

#### Basic specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>0°C to 40°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>30% to 90% (no condensation)</td>
</tr>
<tr>
<td>Power</td>
<td>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. Connecter: JEITA RC-5320A Standard Voltage Class4 * The MV-42HSA connecter is HOSIDEN-produced HEC3800-01-010. Center positive voltage.</td>
</tr>
<tr>
<td>Dimensions</td>
<td>212 (W) x 44 (H) x 161 (D)mm EIA 1 RU Half Rack 480 (W) (Including single or dual rack mount brackets)</td>
</tr>
<tr>
<td>Weight</td>
<td>1.16 kg</td>
</tr>
<tr>
<td>Consumables</td>
<td>Cooling fan: P1472 Replace every 3 years</td>
</tr>
</tbody>
</table>

#### Technical specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video format</td>
<td>1080/60p, 1080/59.94p, 1080/50p (Level A/B) * 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)</td>
</tr>
<tr>
<td>Video Input</td>
<td>4 inputs in the following video formats (Mixed input, asynchronous acceptable)</td>
</tr>
<tr>
<td>3G-SDI</td>
<td>3Gbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit</td>
</tr>
<tr>
<td>HD-SDI</td>
<td>1.485Gbps or 1.485/1.001Gbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit</td>
</tr>
<tr>
<td>SD-SDI</td>
<td>270Mbps, 75Ω BNC Color format: YCbCr (4:2:2) Quantization: 10-bit</td>
</tr>
<tr>
<td>Audio Input</td>
<td>SDI embedded - Sampling frequency: 48kHz (synchronous to input video) - Bit depth: 16-bit to 24-bit - 16 channels (4 groups, 8 stereo pairs) per SDI input</td>
</tr>
</tbody>
</table>
| Video Output        | 1 output, 1.485Gbps or 1.485/1.001Gbps, 75Ω BNC  
|                    | Color format: YCbCr (4:2:2)  
|                    | Quantization: 10-bit  
| HD-SDI             | 1 output, DVI-D connector  
|                    | Color format: RGB  
|                    | Quantization: 8-bit  
|                    | * HDCP is unsupported.  
| DVI-D              | 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.  
| Video Format       | 1 output, DVI-D connector  
|                    | Color format: RGB  
|                    | Quantization: 8-bit  
|                    | * HDCP is unsupported.  
| Audio Output       | SDI embedded audio  
|                    | - Sampling frequency: 48kHz  
|                    | - Bit depth: 24-bit  
|                    | - 16 channels (4 groups, 8 stereo pairs)  
| Audio Level Metering| Audio level metering for 3G/HD-SD-SDI input signal embedded audios (Up to 8 channels)  
|                    | * 3G-SDI (Level B) audio level metering support for Link A only. Link B unsupported.  
| I/O Delay          | FS MODE is set to FIELD: 1-2 fields (0.5-1.0 frame)  
|                    | FS MODE is set to FRAME: 2-4 fields (1-2 frames)  
| Screen Display     | Full screen, 2-split screen, Quad-split screen  
| 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  

**Options**

| MV-42AI            | Analog Composite Input Card  
| MV-42 IF/IFA       | Interface Card  
| AC adaptor         | Including AC cord and DC cord retaining clip  

**Accessories**

CD-ROM and Quick setup guide
2. External Dimensions

(All dimensions in mm.)
Rack Mounted

- 2 units installed

- 1 unit installed

Date: 2021/10/11

All specifications and contents are subject to change without prior notice.