### Specifications

**Input Features**
- NTSC, PAL, ITS, PC, Y/C, S-Video,是没有带数码输出输入端口的模拟信号（无VSU）
- YC, YPbPr, SDI, HDMI (digital output)
- AES audio: Unbalanced, 75Ω, D-sub 37-pin (female), inch screw (same as analog)

**Output Features**
- 16 channels per HD/SD-SDI input signal
- 1 input, SMPTE time code 1.0 Vp-p within ±6 dB

**Sampling Frequency**
- 32/44.1/48 kHz

**Quantization**
- Y: 8-bit, C: 8-bit
- 16 to 24-bit

**Supported Characters**
- Letters, numbers, symbols, and Japanese

**Character Limit**
- Max. 16 characters x 2 lines for each input channel

**Up to 16 layout patterns can be saved**

**Options MV-1620PS**
- Switching output video and audio (Remote Controller screen)
- Window size and position settings (Layout Editor screen)
- Editing and registering logos and backgrounds (Logo Registration Software)
- Detects video loss, frozen frames, and incorrect luminance/black level
- Detects audio loss, silence, and excessive audio levels

**SNMP support**
- Settings can be sent to and received from devices via the network

**Power Consumption**
- 87VA (64W) (at 100 V AC to 120 V AC)
- 100 V AC to 240 VAC ±10%

**Dimensions/Weight**
- EIA 1 RU 430 (W) × 44 (H) × 475 (D) mm / 6.7 kg

**HD/SD/Analog Mixed High Resolution Multi-Viewer**

MV-1620HS
Up to 16 Channels, Two-Screen Output

The MV-1620HS is a compact (1RU) multi-viewer that accepts up to 16 channels of mixed HD/SD-SDI or analog composite signals for monitoring on one or two (option) screens. Full-featured yet economical, the unit offers a customizable window layout and displays audio levels, titles, and timers, etc.

**Versatile Mixed-Source Environment**

Supports mixed signals as required, from HD-SDI, SD-SDI, or analog composite sources. Asynchronous input is also supported. The viewer accepts an array of formats and frame rates including NTSC, PAL, 1080/59.94i, 1080/23.98PsF and 1080/50i.

**HD Output of Source Signals**

Sources can be displayed on one or two (option) screens, with HDMI and SDI interfaces available for both screens to support HD monitoring.

**Layout Manager**

Includes a Windows application for managing the layout. Customize the layout on a computer by registering or changing layout patterns, adjusting title display, and configuring other settings as needed. Store up to 16 layout patterns on the viewer. Saved layouts can be applied directly from the front panel control.

**Video Streaming**

In addition to computer-based layout management, you can also stream video from the viewer over Ethernet. The streaming video can be used for additional local computer display or for remote monitoring.

**Record Streamed Video**

Take streaming a step further by capturing the video. Simply enter triggers to prepare for video streaming over Ethernet. The streaming video can be used for additional local computer display or for remote monitoring.

**Front Control Panel**

Standard front control panel enables layout and channel switching, local control settings, as well as remote operation.

**Audio Level Display**

Monitor audio levels of up to 16 channels of HD/SD-SDI embedded audio. For each source signal, use Layout Manager to customize displays for positions, the number of channels shown, and the display groups.

**Tally Display/Title Display/Timecode Display**

- **Tally:** Choose from frame tally or marker tally display.
- **Title:** Identify each source channel with a title. Supports display of alphanumeric characters and symbols (up to 16 letters), which can be displayed within or outside the picture.
- **Timecode:** Ancillary Timecode can be displayed on HD/SD-SDI.

**Logo Display/Background Display**

Register up to eight logos and four background images. Add two logos and one background per output, as required.

**Time Display**

Correct clock time is ensured by SNTP server sync. Two clocks can be used as a clock display, this feature can be used as a count up/down timer, or remaining time counter.

**Audio Monitoring Output**

Audio from any channel can be monitored via HD-SDI, HDMI, or analog audio output.

**Error Display**

- **Video:** video signal loss, frozen frames, or incorrect luminance/black levels
- **Audio:** audio signal loss, silence, or excessive audio levels

**Expansion Options**

- **Dual output expansion:** Reference input, analog audio/AES input, HD-SDI, HDMI, analog audio monitoring output, and background input/output
- **Interface expansion:** Add a variety of control interfaces by using RS-232C/422/485 or GPIO input
- **Rotated image output (HD8160/270°)**
- **SNMP-based monitoring:** Remote monitoring of source signals or fan alarm status
- **Redundant power supply**

**FOR-A Multi-Viewer Line-up**

**MV-3200 Series**

- Mixes SD (Level A)/HD/SD-SDI, analog composite, or computer (DVI) input, (Async input also supported)
- Add up to four input and two output cards, for split display of a total of 32 signals on four screens.

**MV-1600HS Series**

- Includes 18 models in all, varying by input quantity and signal format.
- Mixes HD/SD-SDI, analog composite, or computer input.
- Displays up to 16 source channels at once. (Models by model)

**MV-410HS**

- Accepts four HD/SD-SDI or analog composite signals.
- Audio level display (Max. 8 channels).
- Redundant power supply supported (Option).

**MV-410RGB**

- Mixes DVI (digital/analog RGB from computers or other equipment) and regular analog composite video signals. (Async input supported)
- Choose four of eight inputs, half for digital/analog RGB signals via DVI-D and half for the analog composite signals.
- High-definition WUXGA output via DVI-D.

**MV-42HS**

- Economical, practical four-channel multi-viewer.
- Mixes HD/SD-SDI signals and async input supported.
- HD output: HD-SDI or DVI D (1920×1080i or 1280×720p).

**Other Multi-Viewers**

- SXGA output models: MV-1600 (16 channels); MV-400 (4 channels)
- Analog I/O models: MV-162F (16 channels); MV-34F (8 channels); MV-40F (4 channels)