HD/SD Multi Viewer
4K (QFHD) Monitoring Down Converter
MV-42HSA

Enables monitoring 4K footage on an HD or PC monitor.
Supports quad-split screen of 3G-SDI input.

The MV-42HSA is perfect for use as a down-converter that supports 3G-SDI input. It is also a 4-channel multi viewer that supports 3G-SDI (Level-A/B), HD-SDI, SD-SDI and analog composite inputs.

As a 4K (QFHD) Monitoring Down Converter
- Outputting QFHD (3G-SDI x 4) as HD-SDI and DVI-D (1920 x 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)

MV-42IFA Option
- 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
- Genlock for external sync signal and HD-SDI/DVI-D output
- Date/time display

Compact Size
Specifications

Video input
- 4 inputs in the following video formats (mixed input, asynchronous acceptable):
  - 3G-SDI: 3Gbps, 75Ω BNC
    - Color format: Y’CbCr (4:2:2)
    - Quantization: 10-bit
  - HD-SDI: 1.485Gbps or 1.485/1.001Gbps, 75Ω BNC
    - Color format: Y’CbCr (4:2:2)
    - Quantization: 10-bit
  - SD-SDI: 270Mbps, 75Ω BNC
    - Color format: Y’CbCr (4:2:2)
    - Quantization: 10-bit

Video Format
- 1080/60p, 1080/59.94p, 1080/50p (Level A/B)*
- 1080/24PsF, 1080/23.98PsF, 720/60p, 720/59.94p, 720/50p, 720/24p, 720/23.98p, 525/60(NTSC), 625/50(PAL)
- 3G-SDI (Level B) support for 1920 x 1080 only.

Audio Input
- SDI embedded audio
  - Sampling frequency: 48 kHz (synchron to input video)
  - Bit depth: 16-bit to 24-bit
  - 16 channels (4 groups, 8 stereo pairs) per SDI input

Video Output
- HD-SDI: 1.485Gbps or 1.485/1.001Gbps, 75Ω BNC x 1
  - Color format: Y’CbCr (4:2:2)
  - Quantization: 10-bit

Audio Output
- SDI embedded audio
  - Sampling frequency: 48 kHz
  - Bit depth: 24-bit
  - 16 channels (4 groups, 8 stereo pairs)

Power
- 22 VA (11 W) (at 100 V), 27 VA (12 W) (at 200 V)
- 12 V DC (11 W) (at 100 V), 13 W (12.5 W) (at 200 V)
- Cooling fan: P1472 Replace every 3 years (at room temp.)
- Backup battery (internal clock): Replace every 5 years (at room temp.)
- Power Consumption
  - 22 VA (11 W) (at 100 V), 27 VA (12 W) (at 200 V)
  - With MV-42FA*: 25 VA (12 W) (at 100 V), 28 VA (12 W) (at 200 V)
  - With MV-42FAA*: 29 VA (14 W) (at 100 V), 32 VA (15 W) (at 200 V)

Rear Panel

External Dimensions

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