

SMP-xx Modular MultiViewer Family

4,8,12 &16 Input Modular MultiViewer



The SMP-xx is our new fully-featured 1RU Modular MultiViewer. SMP-xx is ideal for a wide range of Pro AV and high-end broadcast applications. The product's flexibility lets you monitor a wide range of both video and audio sources on one or two independent displays at up to 4K/30Hz output resolutions. Its compact 1RU frame features six modular slots, two of which are reserved for the Network and MultiViewer controller cards. The other four slots are for modular video or audio input cards.

The product is available as a standard (SMP-Sxx) or optional (SMP-Rxx) frame. SMP-Rxx features a 16x16 router for up to 3G HD-SDI. This makes the SMP-Rxx ideal for space critical applications such as outdoor broadcast units where both routing and MultiViewing are required. The SMP-xx MultiViewer offers all the standard features you expect in a fully-featured Broadcast MultiViewer.

SMP-xx Modular MultiViewer Family

FEATURES

- **Compact 1RU Frame** - Ideal for Outside Broadcast Vans or other space restricted applications.
- **Modular Format** - Mix multi-format video inputs, add discrete audio input metering cards, or even add a second MultiViewer output card to give both 8x2 & 4x2 MultiViewers in the same 1RU frame!
- **Future Expansion** - Expand from 4 to 16 Inputs (in increments of 4) in the 1RU SMP-xx frame. Or even expand up to 72 inputs (using the same I/O cards & rears) in our new 3RU MP-xx frame!
- **Free-Form Scale & Position** - All video tiles are fully customizable in scale & position on screen & offer the choice to maintain, or deviate from, standard aspect ratio. Each tile also gives the option to change border colour & display tally, audio metering & alarm information.
- **Exceptional Image Quality** - State of the art image processing algorithms for de-interlacing & scaling.
- **Multi-Format Video Input Cards** - Choose from the following Input Rears:
 - RMP-SD4: 4 x BNC inputs. Each supports up to 3G HD-SDI. Up to 2 can also support analog Composite Video.
 - RMP-SL4: 4 x looping 3G HD-SDI inputs. 8 connectors total on a choice of 1.0/2.3 or Micro BNCs.
 - RMP-HM4: 4 x HDMI inputs.
 - RMP-HM2: 2 x HDMI inputs & 2 x BNC inputs. BNCs can support up to 3G HD-SDI or analog Composite Video.
 - RMP-SR4: 4 x 3G HD-SDI inputs & 4 x 3G HD-SDI router outputs. Choice of 1.0/2.3 connectors or Micro BNCs.
 - RMP-AN4: 4 x Analog inputs supporting either 4 x Component Video, or 2 x RGBHV and 2 x Composite Video.
 - RMP-CV4: 4 x BNC inputs. Each supports analogue Composite Video or up to 3G HD-SDI.
- **Max Input Resolution** - 1080p, 1920x1200 & 3G HD-SDI (SMPTE 424M).
- **Discrete Analog & Digital Audio I/O Cards** - Up to 128 channels of external audio may be metered on screen by choosing from the following cards:
 - AIP32A: 32 Channel Analog Audio input card.
 - AIP32D: 32 Channel Digital Audio input card.
 - AIP32AD: 32 Channel Analog + 32 Channel Digital Audio input card.
 - AOP32D: 32 Channel Digital Audio output card.
- **Embedded Audio Metering** - Meter up to 16 channels of embedded audio per input via standard ballistically correct scales (E.g. BBC PPM, Nordic PPM, extended VU).
- **Optional VIP-3D Scaler Card** - For metering (but not decoding) of embedded Dolby® E metadata.
- **Dual Independent Outputs** - Each output gives both HDMI & HD-SDI in parallel.
- **Audio Monitoring** - Up to 4 pairs can be embedded onto the HDMI & HD-SDI outputs for monitoring. The audio is independently selectable (per set of outputs) from any embedded, or external, audio source.
- **Max Output Resolution** - 1080p/60Hz & 3G HD-SDI (SMPTE 424M) (4K/30Hz to be added shortly).
- **Front Panel 1/4 Inch Jack** - Monitor an embedded, or discrete, Audio pair from any source (selectable).
- **Control & Setup Via LAN** - The SMP-xx features comprehensive browser based control via a user-friendly GUI.
- **Front Panel Menu** - System health monitoring & IP set up.
- **Optional Internal 16x16 Router** - The SMP-Rxx Frame option features an integrated 16x16 3G HD-SDI router. This allows routing within the MultiViewer to video tiles & also to external router outputs using the RMP-SR4 router rears. Ideal for Outside Broadcast Vans or other space restricted applications.
- **Hot Swappable Cards**
- **Intelligent Fan Control** - To regulate system temperature.
- **Alarms** - For video, audio & metadata with outputs to tallies & GPOs, LAN & SNMP traps, allowing connection to external monitoring systems.

- **Clocks & Timers** - Multiple Analog & Digital clocks (over Multiple time zones) can be displayed simultaneously together with Countdown/Countup/On Air timers. Timing reference can be taken from any of NTP server, LTC feed, VITC or set locally.
- **Logos** - Custom channel, or company logos, can be easily uploaded & displayed using the SMP-xx internal ftp page.
- **Decoding & Monitoring** - Teletext, subtitles, AFD, WSS, VITC can all be decoded & monitored. NTSC CC decoding & monitoring also available shortly!
- **GPI & Tally Support.**
- **Genlock Input** - For flicker-free & full frame operation.
- **Under Monitor Display** - UMD text can be updated via the web interface, USB keyboard, or dynamically via Sierra or TSL protocol.
- **Redundant Power Supply (RPS)** - Optional via 1RU Power-xx frame.
- **5 Year Warranty**

3G-HD-SDI With Router

SMP-R4HD	SierraView™ SM 4 x HD-SDI(3G) in, 2 out MultiViewer 1RU (with router)
SMP-R8HD	SierraView™ SM 8 x HD-SDI(3G) in, 2 out MultiViewer 1RU (with router)
SMP-R12HD	SierraView™ SM 12 x HD-SDI(3G) in, 2 out MultiViewer 1RU (with router)
SMP-R16HD	SierraView™ SM 16 x HD-SDI(3G) in, 2 out MultiViewer 1RU (with router)

HDMI

SMP-S4H	SierraView™ SM 4 x HDMI in 2 out MultiViewer 1RU
SMP-S8H	SierraView™ SM 8 x HDMI in, 2 out MultiViewer 1RU
SMP-S12H	SierraView™ SM 12 x HDMI in, 2 out MultiViewer 1RU
SMP-S16H	SierraView™ SM 16 x HDMI in, 2 out MultiViewer 1RU
MPX-MVC-6G	SierraView™ Dual 4K/30Hz HDMI MultiViewer Output Logic Card 1RU
RMP-MVC-6G	SierraView™ Dual 4K/30Hz HDMI MultiViewer Output Interface Card 1RU