The MVP® revolutionizes the multi-display marketplace with a highly flexible, intuitive and simple yet comprehensive approach to virtual wall monitor applications. The possibility of displaying any input signal to any output monitor can now be realized without the need for DAs or upstream monitor routers.

**Features & Benefits**

- **Highest quality video images** - single pass processing
- **Hardware based** - no PC on board, no hard-drive
- **RTOS** - Real-Time Operating System
- **Not a frame limited architecture** - PLink™ interconnects and Ethernet control; does not exhibit PCI bandwidth limitations
- **Expandable** - frame not limited to a maximum number of inputs per system - cumulative bandwidth
- **True hot-swappable, front-access input, output modules and PSU**
- **Fast power cycle recovery (15 seconds)**
- **Redundancy options for mission critical operations**
- **Fiber output option** - single fiber (single or Multi-Mode) up to 10km support
- **9:16 output aspect ratio support (WARP™)**
- **Flexible** - usually 2-3 solutions from the same system with options for future growth
- **User-friendly GUI** - drag & drop control, fast preset recall and off-line development; real time display layout control
- **Consolidated** - scaling, signal sniffing (fault monitoring), routing and fan-out of inputs
- **Supports many output display destinations**
- **Eliminates the need for a preview/monitor router to support multiple inputs to multiple displays**
- **Show multiple copies of the same BNC input across displays**
- **Monitor everything - View by Exception with VistaLINK® and display video inputs only when faults are detected through built-in signal monitoring**
- **On-screen time of day clocks (analog and digital with external LTC reference and configurable offsets)**
- **Up & down timers**
- **User-definable labels**
- **Dynamic UMDs & tally from routers and switchers**
- **Safe area markers**
- **Graphics logos and background**

**Applications**

- **Broadcast Facility Master Control**
- **Satellite Uplink/Downlink**
- **Cable Head End & IPTV Head End**
- **Production**
- **OB Vans**
- **Video Walls**
- **NOC Control Rooms**
- **Surveillance Security Information Displays**
- **Traffic & Transportation Applications**
- **Gaming & Entertainment**

**Signal Monitoring**

Seeing is believing, but with so many video, audio and data details to look for, it's nice to know that user-configurable faults are detected and displayed by the MVP® and can be further reported to and recorded by VistaLINK® PRO. Along with VistaLINK®, Evertz® provides the most comprehensive signal monitoring and image display solution.

**Status Monitoring & Fault Trigger Parameters**

- **Loss of video**
- **Active picture levels**
- **EDH errors**
- **Frozen or black video**
- **Motion detection**
- **Video format detection**
- **Loss of audio channels**
- **Mono audio detection**
- **Phase reversal**
- **Audio too loud or too quiet**
- **Loss of closed captioning**
- **Loss of closed cap waveform**
- **Loss of program rating**
- **Source ID missing**
- **VITC missing**
- **Macro block detection (hardware specific)**
- **Loss of Nielsen data**
- **Loudness**
Specifications

Auto-detecting Video Inputs:

**Analog Video:**
- NTSC/PAL

**Digital Video:**
- SD-SDI (SMPTE ST 259-1)
- HD-SDI (SMPTE ST 292-1, 1.5Gb/s)
- 3Gb/s (SMPTE ST 424)
- Built-in embedded audio extraction (up to 2 groups)
- HDMI (with HDCP)

**HD Formats:**
- 1080i/60
- 1080i/59.94
- 1080i/50
- 1080p/60
- 1080p/59.94
- 1080p/50
- 720p/60
- 720p/57.3
- 720p/50
- 480p/59.94
- 480p/60

**3G Formats:**
- 1080p/60
- 1080p/59.94

**Output Resolutions Supported**
- XGA (1024x768)
- SXGA (1280x1024)
- WARP (768x1280)
- 1080p/59.94
- 1080p/50
- 720p/57.3
- 720p/50
- 1080p/23.98sF
- 1080p/24sF
- 480p/59.94
- 720p/59.94
- 480p/60
- 1080p/59.94

**Decode**
- XDS
- HD & SD VITC/Source ID
- WSS/AFD adjust/display
- Detect Encoded Audio (AC3/Dolby® E)
- EIA-608 - SD Captions
- EIA-708 - HD Captions
- WST - World Standard Teletext
- Source standard
- Decode/Display Dolby® E Metadata
- Monitor Dolby E Levels
- Nielsen Display (AMOL/NAES)

**Frame**
- OP47
- Decode/Display Dolby® E Audio Data (OV-3G-8DEM)
- Decode/Display Dolby® E Audio Data (OV-3G-8DEM)
- Subtitles
- IP (MPEG-2, H.264)
- MPEG-2 TS UDP/RTP
- RTMP (Flash)
- MMST
- HTML
- VNC
- HLS (Apple)
- HTTP
- WSS/AFD adjust/display
- Detect Encoded Audio (AC3/Dolby® E)
- EIA-608 - SD Captions
- EIA-708 - HD Captions
- WST - World Standard Teletext
- Source standard
- Decode/Display Dolby® E Metadata
- Monitor Dolby E Levels
- Nielsen Display (AMOL/NAES)

**Multi-Input Format Display and Monitoring:**
- Auto-sensing HD/SD/Analog video input on the same BNC
- DVI/RGB
- 525i/625
- 720p/50
- IP/ASI (MPEG-2, H.264)

**Head-End Monitoring:**
- Perfect solution for all head-end facilities, including IPTV, CABLE and SAT
- Monitor everything, view by exception
- Integrated signal monitoring
- 100% SNMP reporting and configuration

**Computer Graphic Video Inputs:**
- Two or four input module
- From 640x480 (VGA) to 1600x1200 (WUXGA) resolution
- DVI or 15-pin D-sub via adapter
- Audio monitoring output, 2 groups (AES/EBU)

**Accessories**

**3000MVP-HDMII-AC3**
- HDMI with HDCP decryption and AC3 decoding monitoring input solution for the MVP® System

**3000MVP-GI**
- Dual (2) or Quad (4) computer video inputs per input module
- Monitor up to 4 analog pairs or 4 AES/EBU audio channels per video input

**3000BHP-U**
- 1RU breakout bulkhead panel to support unbalanced AES/EBU digital audio

**2RU breakout bulkhead panel to support either balanced stereo analog inputs or balanced AES/EBU audio**

**3000BHP-AUX**
- Breakout bulkhead panel for GPI/O, LTC input, and serial communications

**7700PTX-MVP**
- Protocol Translator: Connect multiple serial input devices to the MVP® System

**3000MKT-AUX**
- Rackmount panel for AUX breakout board
- GLink™ to DVI converter

**2430GDAC**
- GLink™ to DVI converter, with 90° display rotation support
- Allows you to change your display’s presets from a selection of possibilities

**3000DCP**
- Advanced System Control Panel

**CP-2232E**
- Dual Path Serial Digital to DVI Converter
- Customizable Graphical User Interface used to control broadcast operations

**2430RX-2**
- Dual Path Serial Digital to DVI Converter
- Customizable Graphical User Interface used to control broadcast operations

Contact your Evertz Sales Representative for more information

With the MVP® there are many different possible I/O combinations including dual, quad and octo-output display solutions along with redundancy to meet your multi-signal monitoring & display needs.

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