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
- HD/SD serial output option
- "Out of the box" implementation - set-up is quick and easy
- 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

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/50
- 1080p/23.98
- 480p/59.94
- 480p/60

#### 3G Formats:
- 1080i/60
- 1080i/59.94

#### Output Resolutions Supported:
- XGA (1024x768)
- SXGA (1280x1024)
- WARP (768x1280)
- UXGA (1600x1200)
- WXGA 2 (1366x768)
- WXGA (1280x720)

#### Decode:
- XDS
- HD & SD VITC/Source ID
- WSS/I/PD adjust/display
- Detect Encoded Audio (AC3/Dolby® E)
- EIA-608 - SD Captions
- EIA-708 - HD Captions
- WSS/AFD adjust/display
- Detect Encoded Audio (AC3/Dolby® E)
- EIA-608 - SD Captions
- EIA-708 - HD Captions
- WSS/AFD adjust/display

#### Frame:
- 6RU, 15-module agnostic slots
- Rack mountable
- Front access
- Dual redundant PSU, hot-swappable

#### AUX Inputs & Outputs:
- Up to 64 GPI inputs and 44 GPIO outputs
- LTC for clock/timer reference
- RS-232/422 serial interface

#### Configuration Control:
- Maestro™ graphic interface for design and control
- DCP desktop control panel via Ethernet
- MAGNUM VUE
- CP-2116E & CP-2232E

#### Electrical:
- Dual redundant power supplies with separate AC inlets
- Auto-ranging voltage, 100-240V AC, 50/60Hz
- Maximum power dissipation: 625W
- Typical power dissipation: 350W, 8A

#### Genlock:
- Separate NTSC (SMPTE ST 170-1) and PAL (ITU624-4), color black via BNC

#### Front Panel Indicators:
- PSU status LED and local error/failure LED

#### Tally Output (GROC):
- 4-pin terminal, relay N/O, N/C for status/fault alarm

#### Video Outputs:
- Single, dual and multiple output support for XGA up to HD resolution
- DVI or 15-pin D-sub via adapter

#### Audio:
- Balanced/unbalanced AES
- Balanced analog stereo
- On-screen display of level and phase bars
- Audio monitoring output, 2 groups (AES/EBU)

### Ordering Information

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.

### Accessories

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>3000MVP-HDMI-AC3</td>
<td>HDMI with HDCP decryption and AC3 decoding monitoring input solution for the MVP® System</td>
</tr>
<tr>
<td>3000MVP-GI</td>
<td>Dual (2) or Quad (4) computer video inputs per input module</td>
</tr>
<tr>
<td>3000MVP-AI</td>
<td>Monitor up to 4 analog pairs or 4 AES/EBU audio channels per video input</td>
</tr>
<tr>
<td>3000BHP-U</td>
<td>1RU breakout bulkhead panel to support unbalanced AES/EBU digital audio</td>
</tr>
<tr>
<td>3000BHP-BAL</td>
<td>2RU breakout bulkhead panel to support either balanced stereo analog inputs or balanced AES/EBU audio</td>
</tr>
<tr>
<td>3000BHP-AUX</td>
<td>Breakout bulkhead panel for GPI/O, LTC input, and serial communications</td>
</tr>
<tr>
<td>7700PTX-MVP</td>
<td>Protocol Translator: Connect multiple serial input devices to the MVP®</td>
</tr>
<tr>
<td>3000MKT-AUX</td>
<td>Rackmount panel for AUX breakout board</td>
</tr>
<tr>
<td>2430GDAC</td>
<td>GLink™ to DVI converter with 90° display rotation support</td>
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<tr>
<td>2430GDAC-WARP</td>
<td>Allows you to change your display's preset from a selection of possibilities</td>
</tr>
<tr>
<td>3000DCP</td>
<td>Advanced System Control Panel</td>
</tr>
<tr>
<td>CP-2232E</td>
<td>Dual Path Serial Digital to DVI Converter</td>
</tr>
<tr>
<td>2403RX-2</td>
<td>Customizable Graphical User Interface used to control broadcast operations</td>
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