

# IPTV & Digital Signage Platform

## Video Wall Processors

VITEC has a range of professional-grade, powerful video wall processors to enable the display of live and recorded IPTV streams and digital signage on configurable large-scale video walls. This family of video wall processors feature modular, configurable frames with all the input and output options for any video and audio source and hardware based video rendering to ensure smooth, synchronised playback of IPTV and file-based content 365 x 24 x 7.

Integrated with VITEC's EZ TV and Avedia Platforms, all video wall processors are controlled and operated from a central management interface for the day-to-day administration of content, schedules and user access rights. The single point of management simplifies the complexity and costs associated with the initial deployment of an advanced IPTV, signage and dynamic video wall solution and ensures that the system is intuitive to operate, maintain, and scale up to constantly enhance the user experience.



### Features & Benefits

- Integrates with both EZ TV and Avedia IPTV and Digital Signage Platforms
- Modular frames with configurable input / output interface cards
- Supports all major video / audio formats: VGA, DVI, HDMI, 3G/HD/SD-SDI, HDBaseT and IPTV
- Directly decodes live IPTV streams – H.264 SD/HD and HEVC SD/HD/4K
- Powerful video effects including expand, fly-in, contract, video-over-video overlay
- Frame accurate synchronised playback of video files
- Supports custom output resolutions to project on any size and aspect ratio video wall
- Intuitive video wall layout authoring and management tool
- 100% hardware based processing ensures reliable, smooth, synchronous video and graphic rendering
- API for integration with 3rd party control systems such as Crestron, AMX, Atlona and mobile devices
- TAA compliant



VWP-16

VWP-6

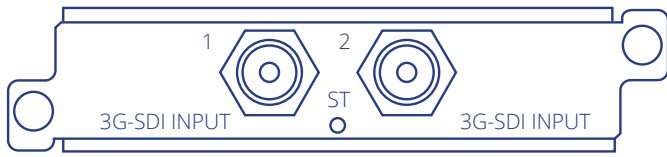
VWP-3

## Video Wall Processor Specifications

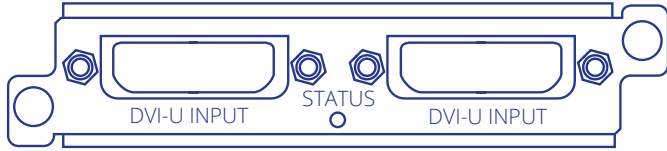
|   | VWP-3   | VWP-6  | VWP-16  |
|---|---|--|---|
| <b>Interfaces</b>                       |   |  |   |
| Input / Output Slots - Built-in         | 1 x Controller  | 1 x Controller + 1 x Dual DVI input                        | 1 x Controller  |
| Input / Output Slots - Expansion        | 3   | 5  | 14  |
| Network (Management)                    | 1   | 1  | 1   |
| Power input                             | 1   | 1  | 1 + 1 (redundant option)                                |
| <b>Input Cards Supported</b>            |   |  |   |
| Dual HDMI 4K                            | ✓   | ✓  | ✓   |
| Dual DVI \ VGA \ HDMI                   | ✓   | ✓  | ✓   |
| Dual 3G \ HD-SDI \ SD-SDI               | ✓   | ✓  | ✓   |
| Quad SD-SDI                             | ✓   | ✓  | ✓   |
| Dual IPTV 4K with 16GB storage          | ✓   | ✓  | ✓   |
| Dual IPTV 4K with 128GB storage         | ✓   | ✓  | ✓   |
| Dual HDBaseT                            | ✓   | ✓  | ✓   |
| <b>Output Cards Supported</b>           |   |  |   |
| Single HDMI                             | ✓   | ✓  | ✓   |
| Dual DVI \ VGA \ HDMI                   | ✓   | ✓  | ✓   |
| Dual 3G/HD-SDI                          | ✓   | ✓  | ✓   |
| Dual HDBaseT                            | ✓   | ✓  | ✓   |
| Quad HDMI                               |   |  | ✓   |
| Analog \ SPDIF Audio                    |   | ✓  | ✓   |
| <b>Streaming Protocols</b>              |   |  |   |
| UDP TS                                  | ✓   | ✓  | ✓   |
| Multicast                               | ✓   | ✓  | ✓   |
| Unicast                                 | ✓   | ✓  | ✓   |
| <b>Power/Physical</b>                   |   |  |   |
| Power Supply (AC)                       | 60W Max,110-240v  | 125W Max,110-240v  | 300W Max, 110-240v                                      |
| Dimensions                              | 217mm W x 244mm D x 44mm H<br>(8.54" W x 9.60" D x 1.73" H) | 482mm W x 336mm D x 45mm H<br>(19" W x 13.25" D x 1.77" H) | 482mm W x 334mm D x 178mm H<br>(19" W x 13.1" D x 7" H) |
| Weight                                  | 1.7Kg (3.74 lb.)  | 5Kg (11.03 lb.)  | 15Kg (33 lb.)   |
| Enclosure                               | Portable  | Rack-mountable<br>(standard 19" racks)                     | Rack-mountable<br>(standard 19" racks)                  |
| Mounting                                | Racking kit required, 1RU                                   | Built-in brackets, 1RU                                     | Built-in brackets, 4RU                                  |
| <b>Environmental and Compliance</b>     |   |  |   |
| Operating Temperature                   | 0° to 40°C (32° to 104°F)                                   | 0° to 40°C (32° to 104°F)                                  | 0° to 40°C (32° to 104°F)                               |
| Humidity                                | 10% - 85%, non-condensing                                   | 10% - 85%, non-condensing                                  | 10% - 85%, non-condensing                               |
| EMC Standards                           | FCC Part 15   | FCC Part 15  | FCC Part 15   |
| RoHS Compliant                          | ✓   | ✓  | ✓   |
| TAA Compliant                           | ✓   | ✓  | ✓   |
| <b>Video Wall Processing</b>            |   |  |   |
| Integrate IPTV streams with Graphics    | ✓   | ✓  | ✓   |
| Rotations (1-degree increments)         | ✓   | ✓  | ✓   |
| Shrink, Expand Effects                  | ✓   | ✓  | ✓   |
| Layout transitions                      | ✓   | ✓  | ✓   |
| Video Cropping                          | ✓   | ✓  | ✓   |
| Edge Blending                           | ✓   | ✓  | ✓   |
| Configurable Display Bezel Compensation | ✓   | ✓  | ✓   |
| Low delay playback of live IPTV streams | 300ms decoding latency                                      | 300ms decoding latency                                     | 300ms decoding latency                                  |
| Max No. of Video Walls Managed          | 2   | 2  | 4   |
| Max No. of monitors supported           | 4   | 10   | 56  |

# Video Wall Processors

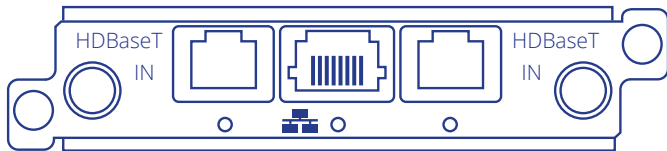
## Input Cards



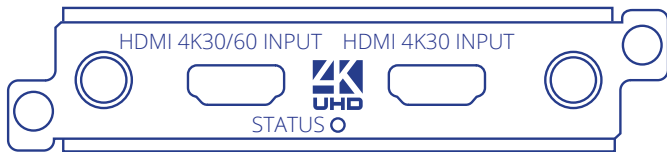
VWP-I-2x3G



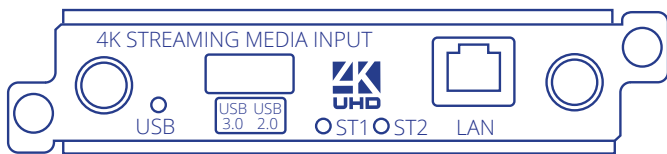
VWP-I-2xDVI



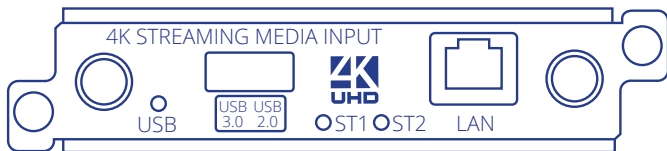
VWP-I-2xHDBaseT



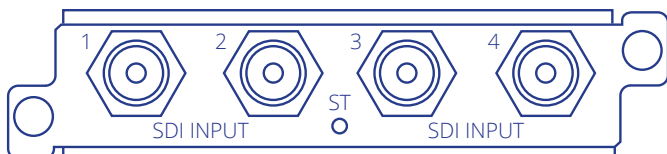
VWP-I-2xHDMI4K



VWP-I-2xIPTV-4K-16GB

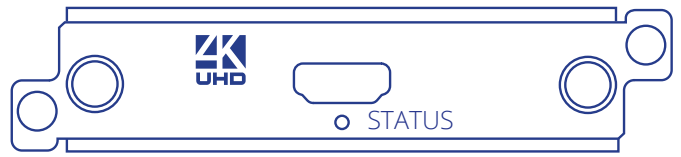


VWP-I-2xIPTV-4K-128GB

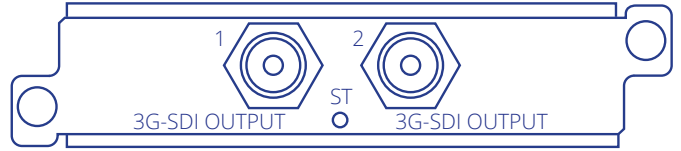


VWP-I-4xSDI

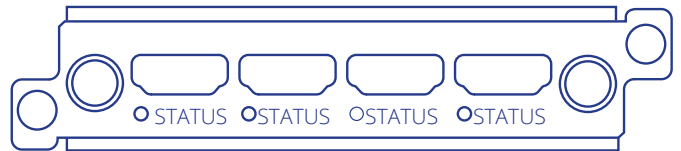
## Output Cards



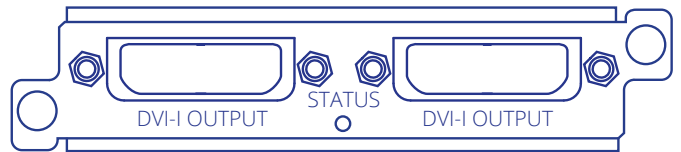
VWP-O-1xHDMI



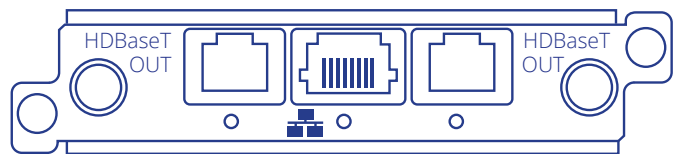
VWP-O-2x3G-SDI



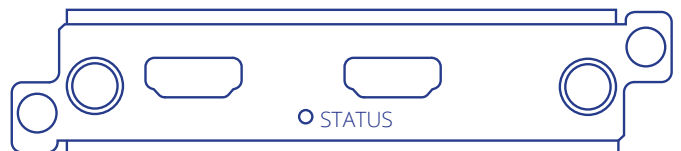
VWP-O-4xHDMI



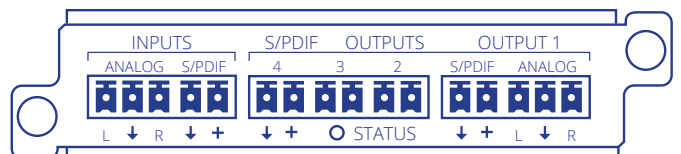
VWP-O-2xDVI



VWP-O-2xHDBaseT



VWP-O-2xHDMI-Keying



VWP-O-AUDIO