

HDM-AVXWALL

4K Multi Input FPGA Video processor



Modular 4K Video wall Processor

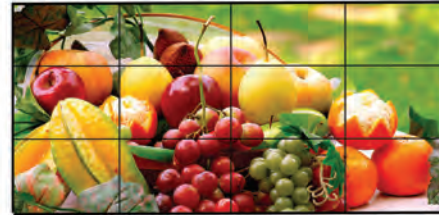
KEY FEATURES

- Scales up to 72 synchronized/framelocked displays in Digital Scale Mode;
- 4K, Full HD input and output resolutions;
- Up to 128 Digital Inputs, 72 Digital Outputs;
- Robust network Telnet API enables a variety of control options for video walls;
- Pure hardware structure without operating system;
- FPGA architecture providing excellent image processing performance,
- Input Signal Preview: input signals can be previewed in the UI of software before being displayed on the screens,
- Card to Main-board Plugging structure,
- Multi Video Wall Control (MVWC) (up to 4 different video walls)
- Graphic Cropping and Signal Upscaling,
- Ultra-high Resolution background Image,
- Character Superimposition,
- Scene Saving: Any configuring arrangement of video signal displayed on screen wall can be saved as "scenes",

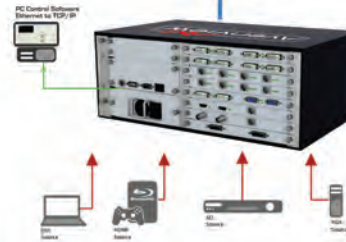
HDM-AVXWALL-XX

CABLE INDEX
Signal Channel
Configuration

4x3 Configuration



4K 24



Drag and Drop Capability



iPad Control Software

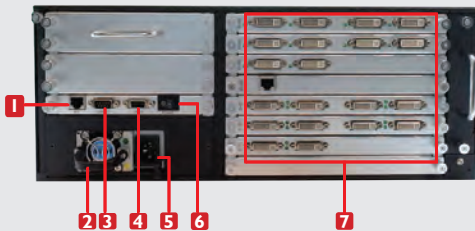


Seamless Switching

MECHANICAL SPECIFICATIONS

| | |
|-------------------------------------|--|
| Housing | Metal Case / Matt Black |
| Dimensions / Net Weight | Based on Form Factor (2/4/8/13/19U Size) |
| Weight | Based on Form Factor |
| Power Supply | AC 100-240V / 150 Watts (max) |
| Power Consumption | 60W (max) |
| Operating Temperature | 0~40°C [32~104°F] |
| Storage Temperature Relative | 20~60°C [-4~140°F] |
| Humidity | 20-90% RH [No Condensation] |

PANEL DESCRIPTION



- 1** LAN: Connect to network
- 2** Ventilation Fan
- 3** RS 232 OUT
- 4** RS 232 IN: Connect to PC
- 5** Power Supply
- 6** Power Switch
- 7** Input/Output Cards: Supports up to 128 Inputs / 72 Outputs HDBaseT, HDMI, DVI, SDI, DP, VGA, CVBS, (see user guide for details)



ITEM

SPECIFICATION

| | |
|-----------------------------|--|
| Model | HDM-AVXWALL |
| Description | Multi-input Image Video Wall Processor with 4K Support |
| Video Format Support | CVBS, YPbPr, VGA, DVI, HDMI, SDI, DisplayPort, UTP and optical fiber |
| Input | HDBaseT, HDMI, DVI, YPbPr, CVBS, SDI, VGA, Optical Fiber, |
| Output | HDBaseT, HDMI, DVI, YPbPr, CVBS, SDI, VGA, Optical Fiber, Cat5/6 |
| System Control | TCP/IP, PC Software Control, iPad Control |
| RCA Connector | 75Ω female |
| DVI Connector | DVI-I (212-pin female, digital only) |
| RJ45 Connector | WE/SS 8p8C with 2 LED indicators |
| RS 232 Connector | DB9 Connector |
| Supported Resolution | SD Up to 1080p and 4K (4096x2160@24Hz) |
| Audio Support | Yes (on selected I/O cards) |
| ESD Protection | Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge) |



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VIDEO WALL VIDEO PROCESSORS
MULTIVIEWERS DIGITAL SIGNAGE
EXTENDERS CONTROL CENTERS
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