MegaWall™
SERIES 1000

3D perception

Standard HD image processors with windows controller for basic flat screen applications using panels, video cubes or projectors.

The MegaWall Series 1000 marks a new approach to system architecture. Designed for flexibility, ease of use and reliability, this real-time hardware image processor and controller offers a unique set of features for visualization systems of all types. Where the traditional approach has been to combine several devices from different suppliers, the Series 1000 can do it in one unit.

The MegaWall Series 1000 is available with over 40 different single-box configuration alternatives, combining a defined number of DVI-I outputs with DVI-I and composite video inputs. And it includes CanvasControl™, an intuitive and powerful graphic user interface (GUI) with efficient and user-friendly features, allowing output windows to be arranged across a visual display in any manner. Users can load layout presets, create their own, or freely place windows in real time.

All input channels may be displayed as windows on panels, video cubes or projectors. For projected displays the Series 1000 includes overlap generator, image alignment and multi-sided blending for flat screens in addition to output scaling. For details the specification table is located on the reverse side of this datasheet.

Key Features

- Real-time hardware
- Up to HD 1920 x 1080 resolution
- Over 40 different configurations
- Overlap generator
- Keystone/image alignment with 4-corner control
- Multi-sided blending for flat screens
- Scaling
- Intuitive GUI including:
  - What you see is what you get (WYSIWYG)
  - Interactive positioning of windows
  - Crop and zoom
  - Up to 250 presets
  - Drag and drop functionality
  - Windows 7/Vista/XP compatible

Inputs in any combination

- Graphics • Data • Video

Outputs to any visual display

- Plasma Screens • LCD Screens
- Projectors • Video Cubes

MegaWall™ SERIES 1000

Stereo Shutter Glasses Control (input and output) · Dual high speed LAN 10/100/1000 Mbit/Sec · RS-232 for external system Control

100-240 Volt 50-60 Hz Power Socket · Composite Video In · DVI-I Out · DVI-I In

CanvasControl™

All MegaWall Series 1000 configurations are configured and controlled via CanvasControl™, enabling windows to be arranged across visual displays in any manner.

Specifications

	Series 1000	Series 3000	Series 5000
SUPPORteD IAy t P DISP OU t S AND INPU			
Fixed number of outputs and inputs	X		
Configurable number of outputs and inputs 6 slots available		X	X
Supports 4K projectors		X	X
StANDARD I ADISP eSSING PROCANVASCONt ROI GUI			
Windows controller (picture-in-picture)	X	X	X
Overlap generator, horizontal and vertical	X	X	X
4 corner keystone correction	X	X	X
Multi-sided blending for flat screen	X	X	X
Upload background images/logos	X	X	X
Cropping and Zoom	X	X	X
Drag and drop	X	X	X
Presets (up to 250)	X	X	X
Upload of JPeG wallpaper**	X	X	X
WYSIWYG - what you see is what you get	X	X	X
Runs on Windows XP, Windows 7	X	X	X
ADVANCeD I Ay eSSING PROCStM t EOI COWARe SOF			
Projector control (for 3DP projectors)			X
Image warping flat screen			X
Image blending flat screen (multi-sided)			X
Image warping curved screen			O
Image blending curved screen (multi-sided)			O
Masking (multi-sided)			X
Hotspot compensator			X
Internal test pattern generator			X
Stereo control **			X
WarpSync automatic geometry correction**			X
ChromaSync automatic colour correction**			X
Signal Analysis Module			X
ReSOI Ut IONS			
Multiple resolution support			
Up to HD 1920 x 1080 (dual input and output boards)	X	X	X
Up to WUXGA 1920 x 1200 (single input and output boards)		X	X
Up to WQXGA 2560 x 1600 (single input and output boards)		X	X
Composite video PAI (quad input boards)	X	X	X
INPUt t S FORMA			
DVI - I single link inputs	X	X	X
Supports: VGA* Progressive only	X	X	X
Supports: HDMI* Progressive only. HDCP not supported	X	X	X
Supports: RGB Video* RGBHV progressive only, 5-wire	X	X	X
Supports: RGB Video* RGBS, 4-wire (composite sync)	X	X	X
Supports: RGB Video* RGsB, 3-wire (sync on green)	X	X	X
Supports frame rates 24 - 120Hz**	X	X	X
DVI dual link inputs for resolutions QXGA and above		X	X
INPUt eSSING PROC			
Analog to digital conversion	X	X	X
Sync conversion Composite sync, sync on green	X	X	X
Frame rate conversion	X	X	X
Image scaling up to 8x	X	X	X
OUt PUt t S FORMA			
DVI - I single link outputs	X	X	X
Supports: VGA*	X	X	X
Supports: HDMI*	X	X	X
Supports: RGB Video*	X	X	X
Supports frame rates 24 - 120Hz	X	X	X
DVI-D dual link output for resolutions QXGA and above		X	X
SySte M t AIMAEDI Ity MAIN			
embedded PC 64 bit processor Power PC™	X	X	X
Realtime embedded operating system	X	X	X
Configurable I/O		X	X
Stackable for large system installations**		X	X
Remote monitoring (health check)**		X	X
Optical DVI extender output power	X	X	X
Redundant power supply option		X	X
Redundant fans		X	X
Hot swap I/O boards		X	X
Power supply modules		X	X
Fans		X	X
I/O t S POR			
6 Independent slots for input and output boards		X	X
extension ports for multiple unit stacking**		X	X
Highspeed AN 10/100/1000 MBits/Sec	X	X	X
Stereo shutter glasses control (input and output)	X	X	X
RS232 Port for external system control	X	X	X
Automatic calibration interface port		X	X
100-240 Volt, 50-60 Hz power socket #1	X	X	X
100-240 Volt, 50-60 Hz power socket #2		X	X
Additional diagnostic LAN port		X	X
INte RFACeS (Ot HeR)			
3rd-party system controller interface On AN or RS232 I/OI ports	X	X	X
Intelligent DID e	X	X	X

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Specificdtons may be changed without notice.