

# Display Processor Comparison Chart

as of 1-Dec-15

	MediaWall 1900/2900/4200/4500	OmniWall (OW)	Galileo (GO)	MediaWall V
<b>System</b>				
Operating system type	Embedded OS	Embedded OS	Windows 7 Pro	Embedded OS
Wall Processor Virus susceptibility	None	None	Possible if on network	None
Switching speed	Fast	Average	Fast	Fast
<b>4K Input/Ouptut Capability:</b>				
4K Input on 1 HDMI 1.4b (@ 30Hz)	No	No	No	Yes
4K Input on 4x DVI/HDMI	Yes	Yes	Yes	Not needed
4K Output on 1 HDMI 1.4b (@ 30Hz)	No	No	No	Yes
4K Output on 4x DVI/HDMI	Yes	Yes	Yes	Not needed
4K Output on 2x DVI dual-link	MW 2900 only	No	No	No
<b>Inputs &amp; Outputs Supported:</b>				
Maximum Number of Inputs	MW 19/29/4200: 24	OW 16: 16	GO 16: 16	MW V 3RU: 18
	MW 45: 60	OW 32: 32	GO 40: 40	MW V 6RU: 36
			GO 56: 56	
Inputs per Input Card	MW 19/29: 8	2	Varies per card	6 (up to 3 Input cards/chassis)
	MW 42/45: 2			
<b>Input Signal Types:</b>				
Digital	Yes	Yes	Yes	Yes
Analog	Yes	Yes	Yes	No
HD	Yes	Yes	Yes	Yes
3G/HD-SDI	Yes	Yes	Yes	No
Composite	Yes	Yes	Yes	No

	MediaWall (MW)	OmniWall (OW)	Galileo (GO)	MediaWall V
Maximum Number of Outputs	MW 1900: 2 MW 2900:4 MW 4200: 8 MW 4500: 12	OW 16: 16 OW 32: 32	GO 16: 16 GO 40: 40 GO 56: 56	MW 3RU: 12 2K, 6 4K MW 6RU: 24 2K, 12 4K
Outputs per Output Card	MW 1900: 2 MW 2900: 4 MW 42/45: 4	2	4	6
Window Type	Scalable	Tiled	Scalable	Scalable
Maximum Number of Windows	MW 19/2900: 8 MW 4200: 12 MW 4500: 30	OW 16: 16 OW 32: 32	Unlimited	(16 per output card) MW 3RU: 16/32 MW 6RU: 32/64

Features				
IP Stream Decode & Display	No	No	Yes	Yes (Option)
Supports multiple wall output & control	No	Yes	No	Yes - Option (Phase 2)
Unlimited wall height / width	No	Yes	No	No
Applications run on processor	No	No	Yes	Yes (Option)
HDCP any input to any or all outputs	Yes	Yes	Yes (Limited)	Yes
Input rotation	No	No	Yes	No
Output rotation	No	No	Yes	No

	MediaWall (MW)	OmniWall (OW)	Galileo (GO)	MediaWall V
Window borders & titles	Yes	No	No	Yes (with enhanced feature set)
Input Labels	No	No	No	Yes
Remote desktop (video + keyboard/mouse)	No	No	Yes (multicast)	Yes
Scaled or tiled windows	Scaled	Tiled	Scaled	Scaled
# Presets/Layouts	50	100	Unlimited	60
Audio Support	No	No	No	Yes via AUX ports (embedded HDMI)
Window transition effects	No	No	Yes (option)	Yes - option (Phase 2)
Animation of windows	No	No	Yes (option)	No
Foreground Graphics (sprites, logos, etc.)	No (all models)	No	No	Yes (V .1.1)
Clock	Yes (all models)	No	No	Yes - up to 6 (incl. International time zones)
Overlap for Edge Blending support	Yes (all models)	Yes	Yes	Yes - option (Phase 2)
International Language Support	No	No	No	Yes - option (Phase 2)
Event Logging	No	No	Yes (option)	Yes - option (Phase 2)
Switcher capability	No	Yes	No	Yes w/optional Switcher board, in place of output card (Phase 2)

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<b>Control</b>				
Control via built-in WCP	Yes	Yes	Yes	Yes
VIEW Controller	Yes (requires switcher)	Yes	Yes (future)	Yes - June
User Management Security & Access	No	No	Yes (option)	Yes - in Phase 2
MCMS 3.1 Operation	Yes	Yes	No	Yes - May
<b>I/O Connectivity</b>				
Input Conduits (without end points):				
Copper	Yes	Yes	Yes	Yes
HDBaseT	No	Yes	No	No
Fiber	No	Yes	No	No
Ethernet (IP)	No	No	Yes	Yes
Output Conduits (without end points)				
Copper (HDMI or DVI)	Yes	Yes	Yes	Yes
HDBaseT	No	Yes	No	No
Fiber	No	Yes	No	No
Redundant power supplies	Yes (option)	Yes (OmniWall 32 chassis - option)	Yes (standard)	Yes (option)
Chassis Size	2RU, 3RU, 7RU	4RU, 7RU	4RU, 4RU, 5RU	3RU & 6RU