

Brick-HD Video Wall Processor

Innovation in video wall processor design since 1987



Our successful Brick-1 and Brick-2 video wall processors led the international market for low cost video wall equipment. We have now launched our high-definition Brick-HD video wall processor.

This is a purpose-designed professional hardware-based video product. Unlike competitor products the Brick-HD is not based on a PC chassis so you can be assured of fast startup, low energy consumption (less than 50W compared with up to 600W for a PC-based video wall processor), no blue screens or lock-ups and quiet operation.

This product supports analogue and digital high definition video, standard-definition video, and PC graphics.

Current software supports one video image switched from any input. Free updates to existing customers will expand features and enable two different sources to be displayed simultaneously and with independent magnification.



The Brick-HD is packaged in a robust welded steel 19-inch / 2U enclosure with removable feet and brackets. It can be rack mounted or free standing.

We located all the video inputs and controls conveniently at the front of the unit, while all the video outputs are at the rear of the unit for convenient cabling. A bright front panel display and simple rotary push switch menu enables quick manual setup of all display and control

parameters.

Software, firmware and all video parameters can be adjusted remotely via RS232 and your network, and you can compile and test different configurations using the control software included and with free updates. You can download complex configurations for real-time clock sequencing without a PC connected.

Download the full software from www.mediat.co.uk

You can use this software to control other RS-232 devices - but we prefer you buy our products of course.

Contact us at: sales@mediat.co.uk



Preliminary Specification

We are continuously building new features via software updates so the following technical details are subject to change. Before specifying this equipment for your project, please contact us for current and future feature support.

Design Concept	Purpose-designed video hardware for reliability (not based on PC hardware). Software upgradeable hardware with lifetime updates via our website.
Enclosure	19-inch 2U rack mounting or free standing (detachable brackets). Size: 455 mm x 275 mm x 88 mm. Weight: 5 kg.
Video Wall Array Formats	Single processor supports up to 16 monitors. Stack multiple processors for larger video walls to 256 monitors and beyond. Compatible with consumer LCD and Plasma TV panels, Projectors and DVI PC Monitors. You can compensate for large monitor / bezel gaps. <i>Future software releases : Feather projector overlaps, etc.</i>
Video Resolution	SD, ED, HD and Graphics resolutions supported at pixel rates up to 90 MHz. SD : 720 x 480/576 (PAL/NTSC/SECAM). ED/HDTV : 525i, 625i, 525p, 625p, 720p/50-60, 1080i/50-60, 1080p/24-30 RGB Graphics Digital (DVI) : HDTV Modes, Graphics XGA (1024 x 768 @ 60 Hz).
Video Inputs	One video source displayed on video-wall Video inputs switched by software, external command, or real-time sequence. 1x DVI-D input (programmable EDID, HDCP not supported). 1x Analog Component input (Phono/RCA Triple-Jack). 1x Analog Composite-video input (Phono/RCA Single-Jack). 1x Analog S-video input (4-pin Mini-DIN). <i>Future software release : two independent sources displayed simultaneously.</i>
Video Outputs	Up to 16 monitors - use multiple Brick-HD processors to build larger video walls. 16x Analog outputs (via DVI connector): Component, Composite-video, S-video. 16x DVI outputs (HDCP not supported).
Display Effects	Square and Anamorphic Magnifications scaling to any video wall array size. 24-bit colour washes different colours on each video wall monitor. <i>Many other effects in development with free upgrade for existing customers.</i>
Processor Control	IP Networking via Ethernet 10/100BaseT interface providing HTTP and FTP. RS232 Control / Daisy Chain and Brick-HD can control slave RS232 equipment. Control software included in price with lifetime updates via our website. Environmental monitoring and logging. Manual configuration via 2x20 character display with rotary encoder menu selection. Download configurations to processor for real time clock / external trigger activation.
Power	Internal 75W AC mains power unit. IEC C14 Connector, Auto-switching 100VAC to 240VAC, 2A 60/50 Hz.
Environment	Integral low noise fan with user serviceable fan filter. Storage: -40° to +158°F (-40° to +70°C) / 10% to 80%, non-condensing. Operating: +41 to +95°F (+5 to +35°C) / 10% to 80%, non-condensing.
Warranty	1-year parts and labour.

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