

Video Wall Processor



Ultra High Resolution Video Processors



- 2K Out
- 4K Out
- 16K Wall
- 8K Capture
- Visuade
- 3D Stereo
- LCD Wall LED Wall Projector

Blending



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Ultra Matrix Pro 40_2K



Description:

The VIX Ultra Matrix Pro is a high-performance multi-screen platform engineered for large-scale video walls, 3D mapping, and advanced projection systems. By combining a powerful Intel processor with NVIDIA RTX graphics, it delivers industry-leading 16K resolution output, making it the ideal "brain" for complex visual displays and professional digital signage environments.

Functional:

- **Ultra-High Performance:** Features hardware-accelerated 8K decoding and simultaneous output for up to 16 displays, ensuring smooth, 60 FPS visuals for the most demanding mapping projects.
- **Intelligent Content Management:** Bundled with Visuade Pro software, offering a user-friendly GUI for easy content layout, multi-layer blending, scheduling, and zone planning without additional software costs.
- **Integrated Stability:** Designed with proprietary motherboard architecture and Embedded Hard-Code EDID functionality, providing a highly stable, integrated solution for seamless LCD, LED, and projection blending, 3D mapping..

Model	UMP Series
SYSTEM	
CPU	CPU Intel® Core™ i7 9700 4.7G / 3.0G 12M Cache 65W with HD630
Memory	DDR4 16G
Storage	1TB SSD
System	Win10-Pro 64Bit
Max. Display Resolution	15360x4320@60Hz
Max. Output Resolution	3840x2160@60 2x2 7680x1080@60 1x4 /1920x4320@60 4x1 5760x1080@60Hz 1x3/1920x3240@60Hz 3x1
Graphics card	RTX 3060 12GB
Screen Rotation Mode	Landscape / Portrait
Signage Software	Visuade 16K 3D Visual Editing, Scheduling, and Playback Software*
I/O PORT	
Display interface	4x HDMI 1.4+HDMI 2.0 x1 Console Port
Audio port	5 x 3.5mm; 1 x S/PDIF
USB port	2 x USB 2.0; 4 x USB3.0
HDMI output (Option)	2K@60Hz: 4 port
Network port	2 x RJ45 (10/100/1000Mbps)
CHASSIS SIZE AND CONFIGURATION	
Power	850 watts
Fan	4 x PWM
Case material	4U Metal
Dimensions (H x W x D)	180mm x 485mm x 600mm
Weight	12 kg

**Design and specifications are subject to change without prior notice. For details, please refer to the specific model datasheet.*



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Visuade Pro software



Description:

Visuade™ is a comprehensive, high-performance professional signage platform designed for intuitive content management and seamless display control. It empowers users to quickly create, schedule, and deploy multi-layered, high-definition visual content across complex display systems, including video walls, 3D mapping, and irregular screen stitching.

Functional:

- **Advanced Multi-Layer Editing:** Features a powerful 16K motion script editor that supports 2.5D/3D display effects, enabling the creation of dynamic, high-impact content with multiple layers and media styles.
- **Flexible Scheduling & Management:** Provides fully automated control with manual, daily, weekly, and monthly scheduling options, alongside USB/SD card auto-play support for reliable, "set-and-forget" operations.
- **Smart Integration & Connectivity:** Supports diverse inputs including live video, video streaming, and Android pad control scripts, with new additions like H.264 HEVC 8K hardware decoding and video input chroma key support for advanced professional applications.

Model	Visuade Software
PROTECTION MECHANISM	
Protection	Software execution check USB KeyPro
	Lock hardware
FUNCTION	
Work mode	Local playback
	Remote control playback (1-on-1)
	Scheduled Playback
	Playback scenes are pre-loaded (supports seamless switching).
	Manual control - Keyboard hotkeys/Tablet control
	(Hardware-dependent) The maximum playback area can be freely roamed across screens (Calculated in FHD).
	(Hardware-dependent) Image acquisition port input channel (2K/4K or 8K)
Multilingual	Multi-layer display (unlimited)
	English / Simplified Chinese / Traditional Chinese / Korean / Japanese
Energy Management	Start the machine regularly according to the schedule.
	Shut down the machine regularly according to the schedule.
	Auto play
Database	Scheduling Work Report
	Regional Date Weather/Weather Forecast
Multimedia	Internet window (Chrome)
	Video syncing player (up to 6)
	Slogan; Text - Photo - Music – Movie Archives/Catalogue
	Animated image playback (serialized photos)
	(Hardware-dependent) Extended desktop display (supports real-time display of PPT or any software screen)
	Dynamic effects generator
	Real-time decoding of network images
Scheduling	Manual playback control (optional tablet control)
	Automatic loop playback
	Daily - Weekly - Monthly schedule playback
Special	Customized trademark display
	Geometric dynamic playback (flip vertically/horizontally, zoom in/out)
	Third-party software display
	Tablet control (with manual control)
	Remote control 1-on-1
	3D left + right stereoscopic playback
	(Hardware-dependent) Image input background removal function (background color can be customized)
	(Hardware-dependent) Supports transparent panels (through-view playback)

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