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# 16K

## Motion Magic

## Matrix



PC Vision Technology Limited.

10861 2nd Floor, No. 162, Xizang Road,

Wanhua District, Taipei City

Telephone: +886-2-2302-0330



Motion Magic Matrix is an advanced version of Irregular display, which is more attractive from the traditional static Irregular display. It uses powerful graphics computing power to enhance the Irregular dynamic splicing effect to create a more powerful attraction and supports AI face recognition. Active advertising placement, automatic braking for safe zone intrusions, customizable control of rotation direction and speed, Support monitors of different sizes and resolutions can be placed at any angle become to spin fan screen, two-way gear screen, Multi-Layers Panel for Flower style with spin way Achieve multiple innovative applications.

## Application




 Spin Fan Screen



 Motion Flower Style



 Gear Type



 Customize Design





## Advantage



- Pixel to Pixel Quality
- No Tearing
- Dynamic Size Angle



- AI face recognition
- Active advertising placement
- Automatic braking for save zone intrusions



**Content creation Cost Free**



## Product Advantage

- Customize Design Support Special Placement Style and Sport Mode.
- Direction and rotation speed can be Setting automatically synchronized.
- High-precision dynamic matching, perfect combination of software and hardware.
- AI face recognition for protection and Watch data records.





# Motion Magic Matrix Standard

## / AI Product SPEC



### Model

### UMP\_IRGR Series

### UMP\_AI Series

#### SYSTEM

CPU	CPU Intel® Core™ i7 9700 4.7G/3.0G 12M Cache 65W with HD630	CPU Intel® Core™ i7 9700 4.7G/3.0G 12M Cache 65W with HD630
Memory	DDR4 16G	DDR4 16G
Storage	512GB SSD	1TB SSD
OS	Win10/11-Pro 64Bit 專業版	Win10/11-Pro 64Bit 專業版
Max Support Resolution	16384x16384	16384x16384
HDMI Output Resolution	1920x1080/3840x2160@60Hz	1920x1080/3840x2160@60Hz
GPU	RTX30xx 12GB	RTX40xx
Display Mode	Landscape / Portrait	Landscape / Portrait
Content Edit / Play / Schedule	16K 3D visual advertising editing and scheduling	16K 3D visual advertising editing and scheduling
Control Software	with Android Tablet Control APK	with Android Tablet Control APK

#### Input and output interface

Display output interface	4~16 x HDMI 1.4 / 2~8 x HDMI 2.0	4~16 x HDMI 1.4 / 2~8 x HDMI 2.0
Sound	5 x 3.5mm; 1 x S/PDIF	5 x 3.5mm; 1 x S/PDIF
USB	2 x USB 2.0, 4 x USB3.0	2 x USB 2.0, 4 x USB3.0
HDMI 1.4 / 2.0 Video Capture	Optional 2K/4K	Standard 4K 2 Channel
3G/12G SDI Video Capture	Optional 2K / 4K	Optional 2K / 4K
Network port	2 x RJ45 (10/100/1000Mbps) / 2 x Wi-Fi Antennas	2 x RJ45 (10/100/1000Mbps) / 2 x Wi-Fi Antennas

#### Dimension & Operation Environment

power supply	550 WATT	power supply
FAN	4 x PWM	FAN
Material	Aluminum / Metal	Material
Dimension (H x W x D)	47mm x 435mm x 456mm	Dimension (H x W x D)
Electronic control Motor	220V Single Digital Motor	220V Dual Digital Motor
Weight	9~12 Kg	Weight



Visuade™ Easy-to-operate professional-grade advertising editing and playback software, which can quickly open windows, roam, overlay, quickly layout, intuitively add any media objects, supports multi-language simple operation interface, customized scene plan editing and playback, 16K vector image quality processing technology, virtual irregular splicing Effect, quickly generate professional scene plans, 8K AI image input with instant de-matting capabilities, naked-eye 3D special effects display, ultra-high image quality and ultra-low cost, the best advertising content generation solution.

## Visuade™ Specification

Script Editor	Mode	Control Mode	Feature
Object Layer Control	Multi-Layer	Local - Single Mode	Editor / Player
Object Location / Size Control	Dynamic Location / Size	Remote - Editor Mode	Editor / Player
Object Overlay Control	Dynamic Overlay	Remote - Player Mode	Player
Schedule Control	Function	Setting	Function
Loop Mode	Looping by Timer	SYSTEM On/Off Timer	MON~SUN (Support PCV Platform)
Manual	Pad / Keyboard Control /API SDK	Pre-Load Script	1~64 (Depend SYSTEM MEM Size)
Daily	Control By Timer Table	Video Input Function	Audio-Off/Video-Broadcast
Weekly	Control By Timer Table	GUI Scroll-Bar Control	Dynamic UI Size ADJ (LED _Wall)
Monthly	Control By Timer Table	Multi-Language	ENG/T-CHT/S-CHT/JPN/Korea
		BG/Stand-by Image	Default / Customer Define
		Single Cline Control	Control by Password
Object Player	Function	Object Player	Function
Multi-Video SYNC Player	Max SYNC 16 Video	Region Weather / Time	Customize Clock Color / Style / Type
	SYNC by Start		Weather Info Type
Video Player	Customize video File play area		Clock Type
	Customize Video Range	Audio	Audio file / Folder
	Display Matrix	Photo Image	Scrolling / Slideshow Play Mode
Video Input	Customize video Input play area	WEB Browser	WEB Page
	Display Matrix	Video Streaming	IP Camera
	Hot key On/Off Control		RTSP Protocol
Special Function	Application	Object Player	Function
OEM Logo	Customer Logo	Banner	Front/Background Color
Geometry Effect	X,Y,Z 3-Way View-Angle Auto-Scaler		Font Type / Moving Speed
Embedded Script	4 Script	Catchword	Front/Background Color
Auto-Ratio Control	Auto-Ratio by Display-Resolution		Font Type / Change Speed
Audio Channel of Video file	MB +GPU Audio CODEC	Motion Photo Image	Player Speed Control
Video File Play Range / Area	Customize ,90/180/270 Degree Rotation		BG Color, Display Ratio Control
Extend View Customize Area	Support PPT or Any Application, Mirror View	Effect of Image	Motion / Direction / Quantity
Video Input Play Area	Customize video Input play area		Rotation / Size / Transparency
Quick Auto-Play	USB SD Card		
3D Stereo Display	Active 3D Classes + PCV 3D-Video Splitter		
Video Capture Audio Bar	User Define Bar Size Location and no Audio Alarm		
8K Video Input Support	2SI / Quad-Link Mode		
Video Input Chroma Key	2K / 4K / 8K Mode		
Scene change special effects	Seamless switching / up / down / left / right / fade in and out		
File Type	Support Format	File Type	Support Mode
Image Photo File	JPEG (.jpg) / PNG (.png)	Audio	MP3 (.mp3) / MP2 (.mp2)
Image Photo File	BMP (.bmp) / TIFF (.tif)	Audio	Wave Audio (.wav)
Video File	AVI (.avi) / Video CD (.dat)		Windows Media Audio (.wma)
Video File	MPEG 1/2 (.mpg) / MP4 (.mp4)	Banner / Catchword	TEXT (.txt)
	Window Media Video (.wmv)		HDMI 或 SDI
	Apple Qucik Time (.mov)	Video Input	Streaming Address / RTSP
	ts/ mkv (.ts; .mkv)	IP Camera	URL
	m2ts / m2t( m2ts; .m2t)	WEB	URL
	H.264/H.265/HEVC 8K Video File	Image Effect	PNG (.png)

