Video Processor
Ultra Matrix Pro

UMP_4NVH

PCVISION

Applications

Full HD	4K	16K Video	8K Capture	Visuade	3D Wall	LCD LED Projector

The PC Vision Video processor Ultra Matrix Pro are designed to powerful multiple screens, video 3D mapping projection. The Ultra Matrix Pro is featured with a series of energy-efficient INTEL processor + NV RTX Series GPU and unique PC Vision Own Design motherboard can simultaneously drive up to 16 outputs 8K/16K Pixel to Pixel Quality multi-display under splicing combinations, you can easy to achieve ultra-high 8K x 4K resolution up to 60 Frames Per Second.

PC Vision Ultra Matrix Pro embedded combined with the industry-leading Visuade Pro software can quickly define content layout and advanced graphics、videos and other media player. Within high-performance 8K Decode hardware-accelerated conditions also supports multi-layers blending effects. No need extra Cost budget to using. Design by "Editing and Play" Provide display high advertising effectiveness and professional scene to customers. Visuade Pro provides user-friendly GUI Interface operation allows you to easily customize scheduling and multi-zone planning.

The Ultra Matrix Pro Multi Screen Platform Appliances requires only one set can provide 16K Max Resolution of output for LCD LED and Projector Blending Display for 3D Mapping projection. Ultra Matrix Pro Embedded Hard-Code EDID function output, using Ultra Matrix Pro Multi Screen Appliances give consumers more stable、highly integrated visual products.

Specification

Appearance	
Model Name	**UMP_4NVH**

System Specifications	
CPU	CPU Intel® Core™ i7 9700 4.7G/3.0G 12M Cache 65W with HD630
Memory	DDR4 16G
Storage	256GB SSD
System	Win10-Pro 64Bit
Display wall resolution	3840x2400@60Hz 2x2
HDMI output maximum resolution	1920x1200@60Hz
Graphics card	GTX1650 8GB
Screen rotation mode	landscape / portrait mode
Software	Visuade 16K control, scheduling 3D playback software, background removal and image extraction

I/O port	
Input Port	HDMI, DP, SFP (Options)
Output Port	4 x HDMI 1.4
Console Port	HDMI 2.0 x1
Audio port	3 x 3.5mm ; 1 x S/PDIF
USB port	2 x USB 2.0, 2 x USB3.0
SATA port	4 x SATA
Network port	2 x RJ45 (10/100/1000Mbps)

Main shell size and configuration	
Power	550 watts
Fan	4x PWM
Shell material	Aluminum/Metal
Dimensions (H x W x D)	47mm x 435mm x 456mm
Weight	9 kg

High Resolution Signage Player

Visuade Professional Signage Software, Quickly define the content of the layout, support multi-style media files fornsat, provide a user-friendly interface in multiple languages. Customize the schedule and plan the s creen content, virtual irregular stitching, fast production of professional, low cost and high Quality commercial ADS

Feature

▶ Multi-Style Media, Live Video Input, Video Streaming

▶ Multi-Language User Friendly interface

▶ 16K Multi-Layer Motion Script Editor 2.5D/3D Display Effect.

▶ Control-Script/Audio/Video Input Channel

▶ Fully Schedule Control-Manual/Auto/Daily/Weekly/Monthly

▶ Support USB/SD Card Auto-Play

▶ Embedded Sample Script

▶ H.264 HEVC BK Hard Ware Decode Playback(New)

▶ Video Input Chroma Key Support (New)

▶ User Define Video Input Audio Bar Size location and no Audio Alarm

Visuade™ Specification

Script Editor	Mode		Control Mode	Function
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)
Daliy	Control By Timer Table		Video Input Function	Audio-Off/Video-Broadcast
Weekly	Control By Timer Table		GUI Scroll-Bar Control	Dymaic 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-SYNC Video Player	Max SYNC 6 Video		Region Weather / Time	Customize Clock Color / Style / Type
	SYNC by Start			Weather Info Type
	Customize video File play area			Colock Type
Video Player	Customize Video Range		Audio	Audio file / Folder
	Displ;ay Matrix		Photo Image	Scrolling / Slideshow Play Mode
	Customize video Input play area		Web Browser	WEB Page
Video Input	Display Matrix		Video Streaming	IP Camera
	Hot key On/Off Control			RTSP Potocal

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			Player Speed Control
Video File Play Range / Area	New Customize ,90/180/270 Degree Rotation		Motion Photo	BG Color , Display Ratio Control
Extend View Customize Area	New Support PPT or Any Application, Mirror View			
Video Input Play Area	Customize video Input play area		Effect of Image	Motion / Direction / Quantity
Quick Auto-Play	USB SD Card			Rotation / Size / Transparency
3D Stereo Display	New Active 3D Classes + PCV 3D-Video Splitter			Rotation Angle Adjusment
Video Capture Audio Bar	New User Define Bar Size Location and no Audio Alarm			
8K Video Input Support	New 12G-SDI HDMI2.0 2SI / QuodLink Mode			
Video Input Chroma Key	New 2K / 4K / 8K Mode		File Type	Supoport Format

File Type	Support Format		File Type	Supoport Format
Image Photo File	JPEG (.jpg) PNG (.png)		Audio File	MP3 (.mp3) MP2 (.mp2)
	BMP (.bmp) TIFF (.tif)			Wave Audio (.wav)
	AVI (.avi) Video CD (.dat)			Windows Media Audio (.wma)
	MPEG 1/2 (.mpg) MP4 (.mp4)		Banner / Catchword	TEXT (.txt)
	Window Media Video (.wmv)		Video Input	HDMI or SDI (Depend on HW)
Video File	Apple Qucik Time (.mov)		IP Camera	Streaming Address / RTSP
	ts/ mkv (.ts; .mkv)		Web Page	URL
	m2ts / m2t(m2ts; .m2t)		Effect of Image	PNG (.png)
	New H.264/H2.65/HEVC 8K Video File			

8K

Ultra Matrix Pro

Console monitor

Camera Enable Chroma Key+ Multi-Layer Overlay

Visuade ™ Key Function

| World Weather Time | Picture | Video File | Multi-Video SYNC Player | Background Audio | Banner | Slogan | Motion Picture Player | IE | IP CAM | Motion Effect | 3rd APP |

Scheduling Setting

User Friendly Interface Design

Remote Setting

Remote Site

Operating mode :

Remote Editor IP :

FTP Site

URL :

User Name :

Password :

Root Directory :

Ex : \ FolderName/

Access Logic Drive :

Remote Control

General Setting

Multi-Langrage, Automatic On/Off···

Advance Setting

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