

VIS-UHD0409-VW-S 4x9 Video Wall Processor

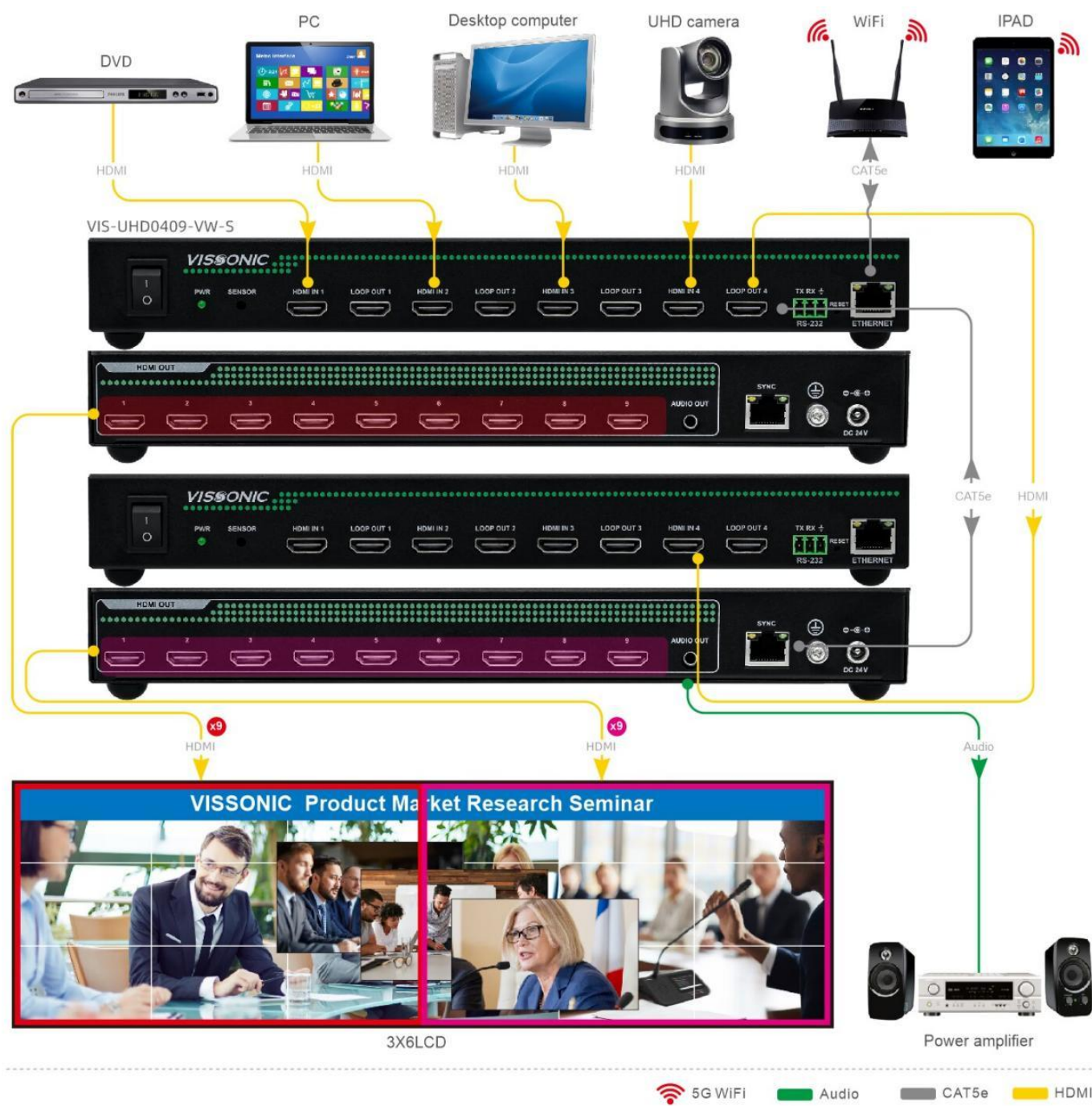
PRODUCT DATASHEET



VISONIC ELECTRONICS LTD.

Think Solutions

System diagram



Application



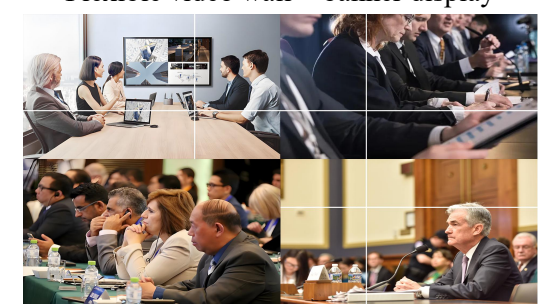
Single screen



Flexible video wall + banner display



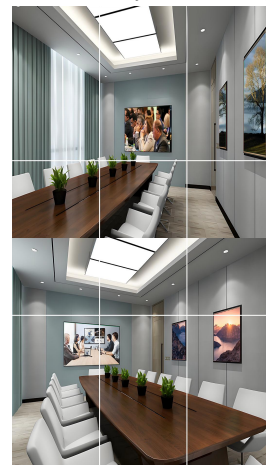
Flexible layer overlay



Flexible layer roaming



Parallel replication



Portrait display (rotated 90°)



7680x2160 point-to-point display



1x9 portrait display

4x9 Seamless Video Wall Processor



Product Introduction

The VIS-UHD0409-VW-S video processing device is designed for seamless splicing applications. It offers features like multi-window roaming, adjustable display positions, and loop-out design for larger video walls. Supporting image rotation and various controls, it's ideal for professional audio-video processing and display scenarios.

Features

1. 4K@60 4:4:4 input supports HDMI 2.0 and HDCP 2.2, ensuring clear and accurate color video.
2. Maximum output resolution of 1920x1200@60Hz, supports HDMI 1.4 and HDCP 1.4, and allows point-to-point display.
3. Supports flexible multi-screen presentation, image stitching, and roaming of up to four windows.
4. Adds scrolling subtitles for dynamic video wall messaging.
5. Input logo display for input recognition of specific languages/fonts.
6. 5mm analog audio output can be assigned to any external HDMI audio device, such as a mixing console.
7. Supports multiple control methods such as serial port, infrared remote control, upper computer, and web interface, providing convenient operation.
8. Allows 90°, 180°, and 270° rotation to accommodate different installation angles or display requirements.
9. Splicing synchronization ensures perfect alignment of all output units.
10. Generates input test images for engineering debugging.
11. Generates output test images to verify if the output ports are correctly connected to the display devices.
12. Provides +5 VDC, 250 mA power for external HDMI output peripherals.
13. Input equalization adjustment compensates for signal loss in challenging setups.

14. Flexible input configuration EDID management, supports copying the monitor's EDID to the input, offers multiple built-in EDID options, and updates existing EDID files to the input.
15. HDMI loop-through for transmitting HDMI signals between devices, facilitating larger video wall systems.
16. Supports DHCP for automatically assigning IP addresses to devices.
17. Supports input volume adjustment and one-touch mute operation.
18. Adjustable input HDCP version.
19. Software supports multi-user management and login, allowing different management permissions and control of different ports for various users.
20. Supports preset management for one-click saving and recall of presets.

Specification

Model	VIS-UHD0409-VW-S
Input type	4xHDMI, 4xLOOP
Output type	9xHDMI, 1x audio
Protocol	HDMI 2.0, HDCP 2.2
Resolution,	Up to 4096 x 2160@60Hz (4:4:4)
HDMI port	Type A, 19 pin, female
Serial interface	RS-232 IN, DB9, Female
Input cable length	5m
output cable length	15m
Impedance	100±15ohm
RJ45 control protocol	TCP/IP
Ethernet rate	10M/100M
Storage environment	Temperature: -20°C~+70°C, humidity: 10%~90%
Work environment	Temperature: -20°C~+70°C, humidity: 10%~90%
Power	DC 12V
Power consumption	8W
Dimensions (length x depth x height).	300*260*35mm
Weight	300g
MTBF	30,000h
Warranty	One year warranty and lifetime maintenance

About VISSONIC Electronics Limited

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.



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