

# Imoware HMV422-4K

## 4K60 4x2 Multiviewer Seamless UHD Video Matrix



### Introduction

This 4K60 4x2 Multiviewer Seamless UHD Video Matrix was developed for the purpose of supporting higher output resolution (4K@60) for multiple sources on two screens. It can combine up to four video signals onto two UHD or HD displayer independently. The user can manage each input, and create combinations of the four inputs on a single display

This device supports full range of input video resolutions up to 4K@60 and audio RCA /Optical de-embedding supported for external audio distribution systems.

This device can be controlled via front panel buttons, IR remote, OSD menu navigation, Controller software, RS-232 commands.

## Features

- ☆ HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- ☆ Support 18Gbps video bandwidth
- ☆ Input and output resolutions support up to 4K@60Hz
- ☆ Support LPCM, AC3, DD+, DTS, DTS-HD, up to 7.1 audio channel
- ☆ Seamless switching between input channels and combined multiple images
- ☆ Seamless switching in single screen display mode
- ☆ Fast switching in multiview display mode
- ☆ Audio de-embedding via analog and optical fiber audio ports
- ☆ Support volume control and independent audio selection
- ☆ Support OSD navigation for advanced setting
- ☆ Support OSD text editing by serial command
- ☆ Support Black Screen on each HDMI input by serial command
- ☆ EDID management

## Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K@60Hz
IR Level	5Vp-p
IR Frequency	38KHz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Depth	8bit
Audio Formats	<b>HDMI:</b> PCM2.0/5.1/7.1CH, Dolby Digital/Plus, DTS, DTSHigh Res <b>Analog audio [3.5mm L/R]:</b> PCM2.0 <b>SPDIF (OPTICAL):</b> Dolby Digital, DTS 5.1, PCM2.0 <b>Note:</b> It does not support HBR audio.
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

<b>Connection</b>	
Input ports	4 x HDMI IN [Type A, 19-pin female]
Output ports	2 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUTPUT [RCA] 1 x OPTICAL OUTPUT [S/PDIF]
Control ports	1 x RS-232 [3pin-3.81mm phoenix connector] 1 x IR EXT [3.5mm Stereo Mini-jack]
<b>Mechanical</b>	
Housing	Metal Enclosure
Color	Black
Dimensions	270mm [W] x 130mm [D] x 30mm [H]
Weight	900g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	16W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)

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# Application Example

