

## VIS-UHD0401

### Multi-View Seamless UHD Video Matrix Switcher

### Datasheet V1.0



## 1. Product Overview

The VIS-UHD0401 Multi-View Seamless UHD Matrix Switcher supports 4 video inputs and 1 output, delivering ultra-high-definition quality with flexible display modes and adjustable layouts. It features built-in audio de-embedding for HDMI-to-analog and analog-to-analog audio switching. Multiple control methods are provided, including front-panel buttons, RS-232, web interface, and app, making it ideal for professional monitoring centers, high-end conference rooms, broadcast studios, and command & control applications, meeting the demands for multi-signal switching.

## 2. Features

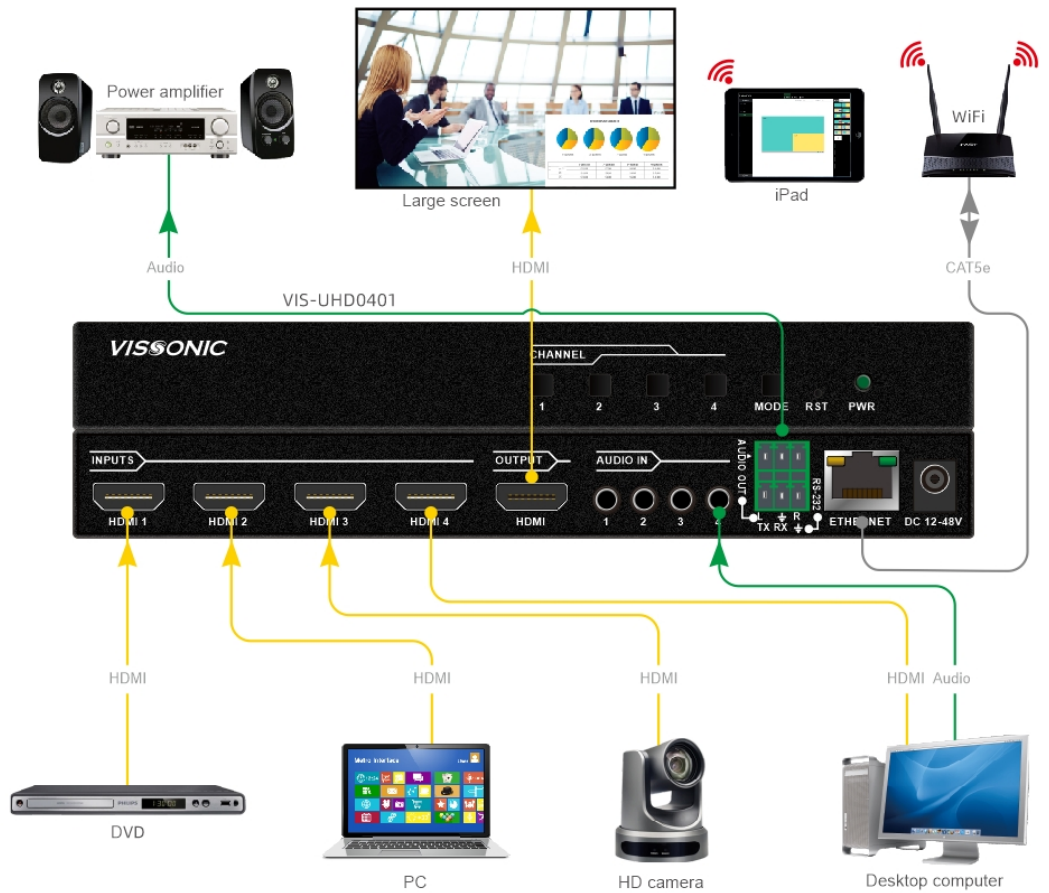
- 4× HDMI inputs and 1× HDMI output, supporting up to 4K@60Hz (4:2:0) or 4K@30Hz (4:4:4), compliant with HDMI 1.4 and HDCP 1.4;
- Seamless switching with no flicker, black screen, or visual artifacts for smooth presentation;
- Multi-view split with multiple layout modes;
- Customizable output layouts, allowing flexible multi-window configuration via a web-based canvas;
- Input labeling, allowing custom source names with support for any language and font;
- One-touch output freeze and unfreeze;
- One-touch output on/off control;
- Flexible switching logic, with configurable input priority for automatic source switching and true plug-and-play operation;
- Supports fade-in/fade-out switching effects;
- Video windows support 90°, 180° and 270° rotation;
- Multiple control options, including RS-232, IR remote control, web interface, and front-panel buttons;
- Intelligent HDMI output analysis, automatically selecting the optimal resolution based on display EDID;

- Output scaling modes supporting auto full-screen and aspect ratio preservation;
- Real-time device status monitoring via the web interface;
- Supports analog audio de-embedding with analog or HDMI audio switching, and HDMI audio extraction;
- Provides +5V DC / 250mA power for external HDMI peripherals;
- HDMI input equalization, actively compensating for signal loss caused by long or low-quality cables;
- Advanced EDID management, with multiple built-in EDID options and EDID file upload support;
- Supports control via Android and iOS mobile applications;
- Web-based one-click firmware upgrade for simplified maintenance.

### 3. Parameters


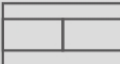



<b>Model</b>	<b>VIS-UHD0401</b>
HDMI Input	HDMI 1.4, HDCP 1.4
HDMI Output	HDMI 1.4, HDCP 1.4
Maximum Power Consumption	5W
Storage Environment	Temperature: -20°C~70°C; Humidity: 10%~90%
Power Supply	100-240V AC, 50/60Hz
Size (W×D×H)	192×94×23mm
Compliance	CE, ROHS
MTBF (Mean Time Between Failures)	Up to 100,000 hours
Warranty	3 Years

### 4. System Diagram



5G WiFi Audio CAT5e HDMI

Multi-view Modes, customizable output

 Single-screen	 Split-screen(1:1)	 Split-screen(2:1)	 PIP (center)	 PIP (bottom-right)
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## **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.

The logo for VISSONIC features the word "VISSONIC" in a bold, italicized, black sans-serif font. The letter "S" is highlighted in a vibrant green color, creating a focal point in the brand name.

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