

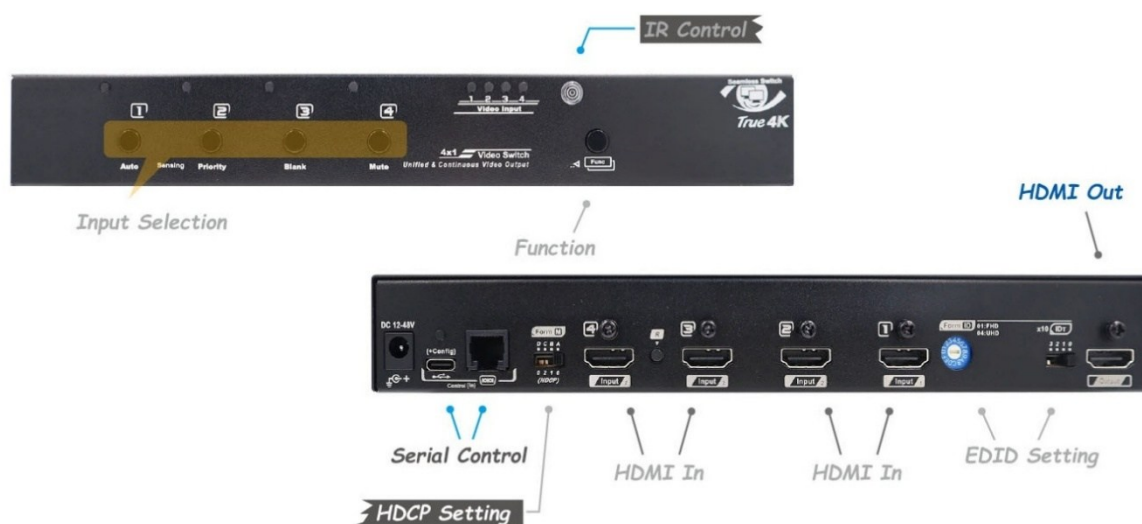
VIDEO SWITCH

4-Port 4K60 HDMI 2.0 Video Switch with Seamless Switching, Auto Sensing, EDID and HDCP Management, Serial, IR and Push Button Control

Model: VSW-H20-4K41

PRODUCT OVERVIEW

VSW-H20-4K41 Switcher enables the switching of 4 HDMI sources and delivers the selected video stream to one HDMI output device (monitor / projector). Users can easily control the unit via front panel push buttons, an IR controller, or serial control. Without plugging or re-plugging any cables, the switcher provides seamless switching functionality, allowing users to achieve a streamlined and efficient HDMI switching experience.



Stable EDID Transmission with Extensive Preset EDIDs in Memory Bank

DSGIO’s 4K60 HDMI Switcher unique EDID configuration technology provides 1 Auto mode and 63 EDID preset settings, supporting monitors with 16:9, 21:9, and 32:9 aspect ratios without image distortion. The VSW-H20-4K41 supports most mainstream monitors on the market, including FHD, QHD, and UHD high-resolution display devices. The design maintains continuous and stable video streaming, ensuring smooth video transitions and preventing video flickering or black-screen issues.

The VSW-H20-4K41 provides three input source selection modes, including Manual, Auto, and Priority mode. The “auto-switching / input auto detecting” function always routes the last connecting stream (as first priority) to the output.

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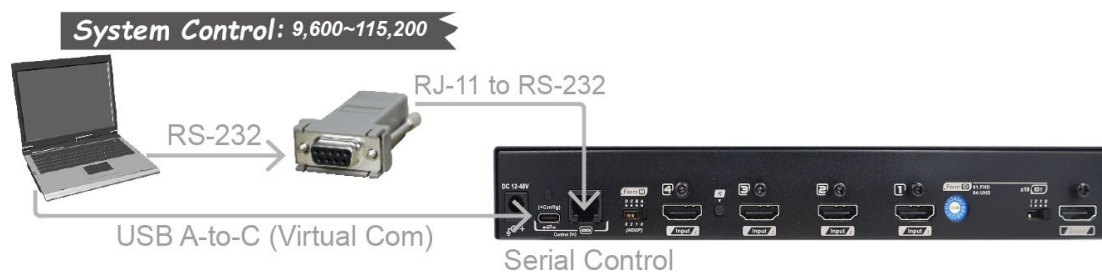


*EDID Setting
(Up to 16x4 Preset EDIDs Available)*

- Switch Mode: Input sources can be selected through front panel buttons, RS-232 serial control, or an IR remote controller.
- Auto Mode: The last inserted source is automatically selected.
- Priority Mode: The input source is selected based on a predefined priority level.

Serial Control (RS-232 & Virtual COM)

A built-in RJ-11 serial interface (for DB9-to-RJ11 cable) and USB-C Virtual COM port provide users with convenient and flexible operation. The 4K60 HDMI Switcher allows users to control the unit through a PC, serial controller devices, or a home theater control system. The serial command switching function of the VSW-H20-4K41 is designed for industrial control and communication applications, enhancing the integration capability of the HDMI switcher with external serial control devices.



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KEY FEATURES

- Allows Free Routing among 4 Sources and 1 Display
- 64 EDID Presets Optimise HDMI 2.0 Video Stability, Preventing Signal Loss and Ensuring Compatibility with 16:9, 21:9, and 32:9 Monitors
- Supports Special ATC / Medical / Ultrawide Resolutions, such as 2048×2048 / 1536×2048 / 3440×1440
- Built-in Scaler for 16:9, 21:9, and 32:9 Monitors
- 3 Flexible Control Methods:
 - Push Buttons
 - IR Control
 - Serial Control
- Video Blank / Audio Mute: Allows Turning Off the Input HDMI Video or HDMI Audio
- Auto Sensing: Switches the Video Output to Either the Latest Inserted Source or the Highest-Priority Source
- Serial Control for Industrial / Media Applications with 8 Baud Rate Selections (9600–115200 bps)
- HDCP Management: Selects the Proper HDCP Version among HDCP 2.2 / 1.4 / Non-HDCP
- IR Control Support

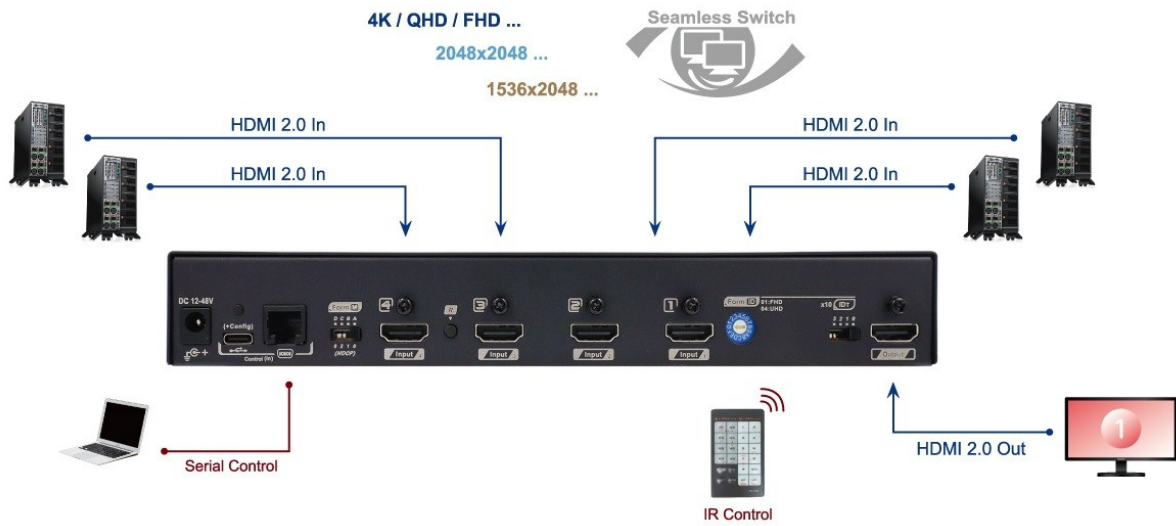
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PRODUCT SPECIFICATIONS

Features		VSW-H20-4K41
Video Resolution (Max.)		3840 x 2160, 2560 x 1440, 1920 x 1080, 3440 x 1440, 2560 x 1080, 4096 x 2160, 3840 x 1080, 2048 x 2048, 1536 x 2048, ... > 60 Resolutions Supported
Video Input		HDMI 2.0 x 4
Video Output		HDMI 2.0 x 1
Control Methods		Push Buttons / IR Control / Serial Control
Auto Sensing		Auto / Priority
IR Control		IR Sensor x 1 (Front)
Serial Control	RS-232	RJ-11 x 1 (38400bps, 8-Selections, 9600~115200bps)
	USB COM	USB-C x 1 (Rear)
Slide Switch		EDID Mode Switch (Audio / Video) x 1 Input Auto Detecting x 1
Push Button		Input Selection x 1 EDID Copy x 1
HDCP Management		HDCP 2.2 / HDCP 1.4 / Non-HDCP
Other Functions		Video Blank, Audio Mute
Power Supply		DC 12 ~ 48V
Operating Environment		0 ~ 40°C, Humidity < 80%
Storage Temperature		-20 ~ 60°C
Enclosure		Metal
Dimension H x W x D (mm)		34 x 240 x 160
Weight (g)		1055

VIDEO SWITCH

CONNECTION DIAGRAM



Front and Rear Panel View



VIDEO SWITCH

PACKAGE CONTENTS

- 1 × 4-Port HDMI Video Switch
- 1 × IR Remote Controller
- 1 × DC Power Adapter
- 1 × User Manual
- 1 × Foot Pad Set

WARRANTY

- Standard 1-Year Limited Warranty, unless otherwise specified by Sales.
- Optional Advance Replacement Warranty is available upon request

ORDERING INFORMATION

Part Number	Descriptions
VSW-H20-4K41	4-Port 4K60 HDMI 2.0 Video Switch with Seamless Switching, EDID and HDCP Management, Serial, IR, and Push Button Control

CONTACT INFORMATION

For more information, please visit our website or contact our customer service team:

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