

MP-SUH42D-MV

4K@60Hz Collaboration & Presentation Switcher



Product Overview

The MP-SUH42D-MV is a collaboration and presentation switcher for unified meeting spaces. It provides three HDMI inputs and one full-function USB-C port with bidirectional audio/video transmission and up to 65W power delivery. USB 3.0 connectivity supports cameras, microphones and other peripherals for laptop-based BYOM conferencing.

Key Features

- 4K@60Hz (4:4:4) video support with HDMI 2.0 / HDCP 2.2.
- 3× HDMI inputs + 1× HDMI output.
- Full-function USB-C with DP 1.2, PD 3.0 and up to 65W charging.
- Seamless switching without flicker, black screen or visual artifacts.
- Multi-view and customizable output layouts via web-based canvas.
- USB 3.0 video output for Microsoft Teams, Zoom and similar applications.
- USB camera, microphone and peripheral integration.
- KVM seat management for control of up to four computers.
- Control via RS-232, IR, web interface, front panel and Android/iOS.

Technical Specifications

Parameter	Specification
HDMI Input	HDMI 2.0, HDCP 2.2
USB-C Input	DP 1.2, PD 3.0, up to 65W fast charging
HDMI Output	HDMI 2.0, HDCP 2.2
USB 3.0 Streaming	YUV422: 4096×2160@25Hz; MJPEG: 4096×2160@60Hz; RGB: 1920×1080@60Hz; NV12: 3840×2160@30Hz
USB 2.0	YUV422: 1920×1080@10Hz; MJPEG: 1920×1080@60Hz
USB Host	3× USB 3.0 Type-B
USB Device	2× USB 2.0 + 2× USB 3.0
Max. Power Consumption	100W
Power Supply	DC 24V
Operating/Storage Environment	-20°C to 70°C; 10%–90% RH
Dimensions (W×D×H)	213×173×44 mm

Parameter	Specification
Compliance	CE, RoHS
MTBF	Up to 100,000 hours
Warranty	3 years

I/O & Control Interfaces

Rear interfaces include analog audio input (3-pin Phoenix), bidirectional RS-232, RJ45 Ethernet, 3× USB-B host ports, 2× USB 2.0, 2× USB 3.0, HDMI IN 1–3, USB-C, HDMI output, USB output, reset, grounding screw and DC 24V power.

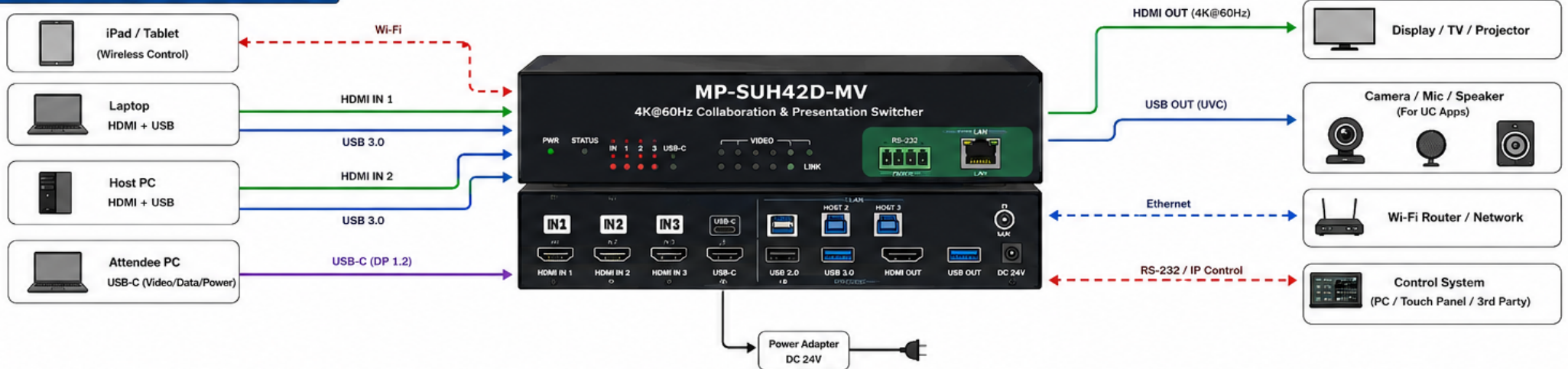
MP-SUH42D-MV — CLEAR SYSTEM APPLICATION DIAGRAMS

Redrawn for clarity from the supplied manual's BYOM and KVM system diagrams.

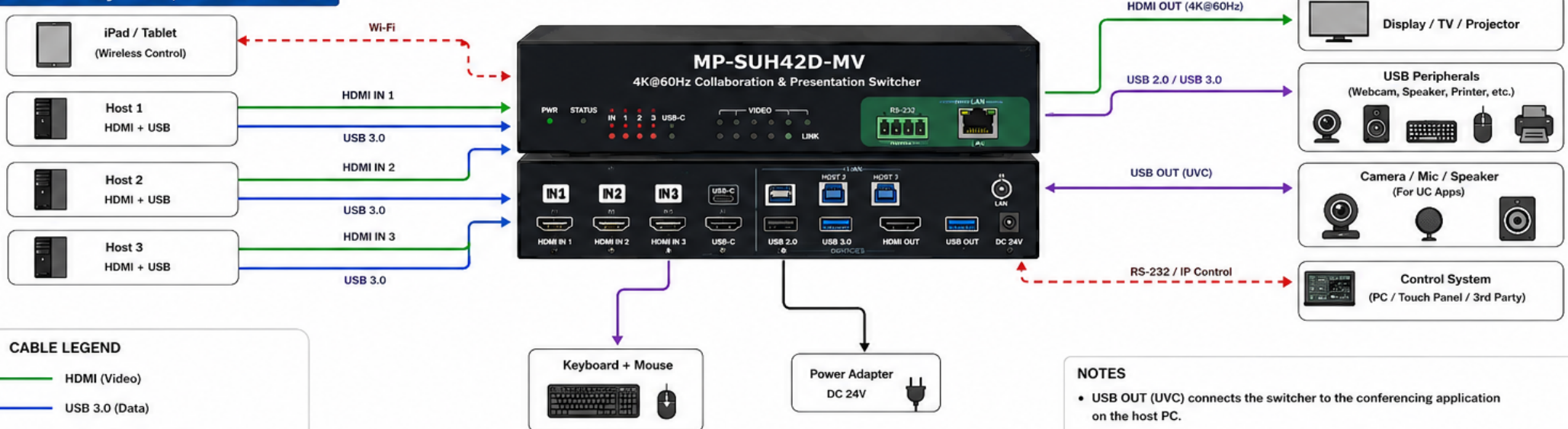
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CLEAR SYSTEM APPLICATION DIAGRAMS

1. BYOM – Bring Your Own Meeting



2. KVM – Keyboard, Video & Mouse



CABLE LEGEND

- HDMI (Video)
- USB 3.0 (Data)
- USB 2.0 / USB-C (Data/Control)
- Control (Wi-Fi / RS-232 / IP)
- Ethernet (Network)

NOTES

- USB OUT (UVC) connects the switcher to the conferencing application on the host PC.
- USB HOST ports allow KVM control of up to three computers.
- USB-C port supports DP 1.2 video, data and up to 65W power delivery.