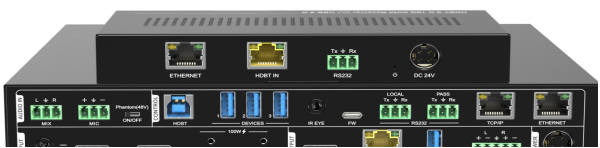
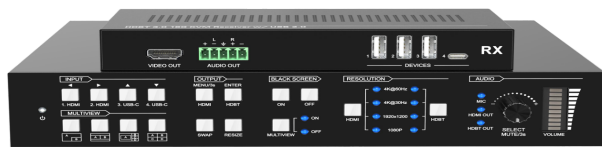


MP-SC42M-KVM

4×2 Seamless KVM Switcher with Multiview & HDBT3.0



PRODUCT OVERVIEW

An 18G seamless KVM switcher with Multiview and HDBT. The system supports up to 4K@60Hz and HDCP 2.2, with 4K signal transmission up to 100 m. Control is available through IR, Web-GUI, RS-232 and the transmitter front panel.

KEY FEATURES	DETAIL
•	HDMI 2.0b, 4K@60Hz and HDCP 2.2 support
•	USB-C external 100W charging
•	4K@60Hz signal transmission up to 100 m
•	24V PoC to power the receiver
•	Audio embedding, de-embedding and USB capture
•	Multiview operation with selectable layouts

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Video Input — TX	2 × HDMI IN; 2 × USB-C IN
Video Input — RX	1 × HDBT IN
Input Ports	2 × HDMI Type-A female 2.0b; 2 × USB-C; 1 × RJ45
Video Output — TX	1 × HDMI OUT; 1 × HDBT OUT
Video Output — RX	1 × HDMI OUT
Output Ports	TX: 1 × HDMI Type-A female 2.0b; 1 × RJ45; RX: 1 × HDMI Type-A female 2.0b
Resolution	Up to 4K@60Hz
HDCP	Up to HDCP 2.2
HDMI Embedded Audio	PCM 2.0
Audio Input	2 × 3-pin Phoenix block: MIX and MIC
Audio Response	20Hz–20KHz, ±1dB
Audio Output	1 × 5-pin Phoenix block
Audio THD+N	< 0.05% (-3 dB, 1 kHz sine)
Audio SNR	> 80dB (1kHz sine, A weighted)
Control	USB, RS-232, IR, TCP/IP, Ethernet
Operating Temperature	-5 ~ +55°C
Relative Humidity	10% ~ 90%
Power — TX / RX	DC 24V 6.5A / DC 24V 1.25A
Full Load Power Consumption	42W
USB-C Power Charging	PD 100W (Max); PD charging on USB-C 3 by default
Dimensions — TX	250 × 44 × 226 mm
Dimensions — RX	173 × 24.5 × 95 mm
Net Weight — TX / RX	1765g / 395g

CONTROL & CONNECTION HIGHLIGHTS

- TX control: USB-B HOST, 3 × USB-A DEVICES, USB-C FW, 2 × RS-232, IR EYE, TCP/IP and 1Gbps Ethernet pass-through.
- RX control: 3 × USB-A, USB-C, Ethernet and RS-232 pass-through.
- USB capture: captures the [1. HDMI] output and sends video to a PC via USB-A.
- Audio: HDMI/HDBT de-embedding and analog audio connections are supported.

Source: MP-SC42M-KVM User Manual, Version MP-SC42M-KVM_2025V1.1. Specifications and terminology above are taken from the supplied manual.