

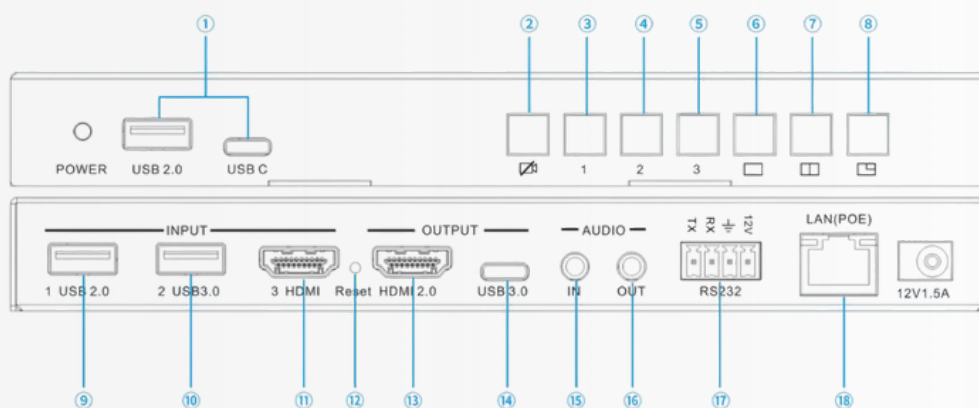
VM-10

USB AND HDMI SOURCE SWITCHER & MIXER

Overview

VM-10 is an USB and HDMI source switcher and mixer, it enables fast switching between 3 sources (1x USB 3.0, 1x USB 2.0, 1x HDMI), and mixing 2 of them into 1 image, it provides one HDMI output for the local monitor, and one USB-C output for the PC to do web conferencing or live broadcasting.

This cost-effective and easy-to-use solution could be ideal for remote education, collaborative meetings, webinars or live streaming where there are multiple cameras from different angles or need capture HDMI content to the remote together with cameras.



Interface/Button Description

1. Reserved to connect with Keyboard or future use RS232 for control
2. Mute button
3. Switch the source from USB 2.0
4. Switch the source from USB 3.0
5. Switch the source from HDMI
6. Single view layout
7. Side by side layout
8. Big & small layout
9. 1x USB 2.0 camera
10. 1x USB 3.0 camera
11. 1x HDMI camera or video source
12. Reset
13. 1x HDMI 2.0 output for screen
14. 1x USB-C output for PC
15. 1x line in
16. 1x line out
17. 1x RS232 for control
18. 1x 1000M LAN for control

VM-10



VM-10	Specifications
Output	
HDMI Output	1x HDMI 19-pin female connector
Format Compliance	HDMI 1.4/HDMI 2.0
HDCP	HDCP 1.4/HDCP 2.2
USB Interface	Type C x1, UVC and UAC
Video Output Resolution	HDMI : 3840x2160@60Hz, 3840x2160@30Hz, 1920x1080@60Hz, 1280x720@60Hz Type C : 1920x1080@30Hz, 1280x720@30Hz etc.
Audio Output	HDMI, USB, Jack(analog input)
Input	
HDMI Input	1x HDMI 19-pin female connector
Format Compliance	HDMI 1.4
HDCP	HDCP 1.4
USB Interface	Rear: USB 3.0: Type A x1; USB 2.0: Type A x1, Type C x1 Front: USB 2.0 : Type A x1, Type C x1
Video Input Resolution	HDMI: 1920x1080@60Hz, 1280x720@60Hz USB 3.0: 1920x1080@30Hz, 1280x720@30Hz etc. USB 2.0: 1920x1080@30Hz, 1280x720@30Hz etc.
Audio Input	HDMI, USB, Jack(analog input)
Others	
Control Connectors	3.5mm Phoenix terminal/ RS232 interface
LAN Port	RJ45 x1: 1000Mbps, POE option (802.3af)
Control Method	Web GUI, Telnet, RS232, Key
Dimension (W x D x H)	180mm x 95mm x 18mm
Weight	TBD
Operating Temperature	0° C to +45° C
Storage Temperature	0° C to +60° C
Relative Humidity	20%~ 85% RH (no condensation)
DC Power	12V
Power Consumption	15W(MAX)
Power Adapter	AC100~240v 50/60Hz 12V/1.5A adapter with two plug-in, US, Europe,

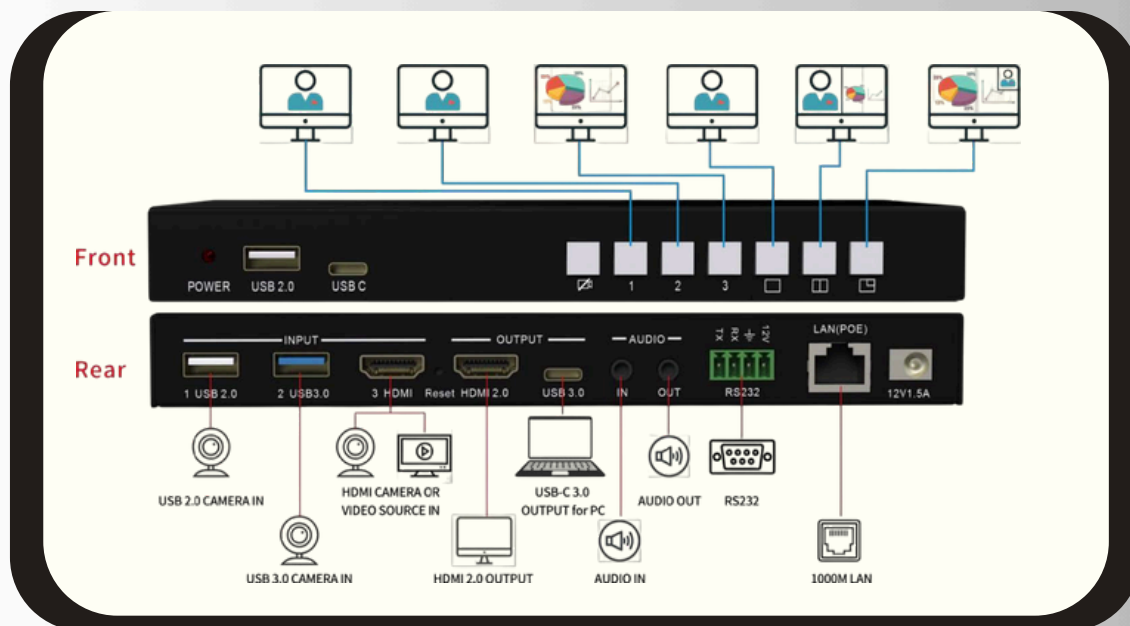


Feature Description

- Supports 3 camera sources connection, 1x USB 3.0, 1x USB 2.0, 1x HDMI 1.4
- HDMI input can be any HDMI source like laptop, document camera
- Fast switching between 3 input sources
- Mix videos from 3 input sources
- Mixed layout can be defined in the web like picture in picture, side by side, big and small
- 1x HDMI 2.0 output for local monitor, 1x USB-C (USB 3.0) output for PC
- Support overlay company logo or text on the output video (future firmware)
- Audio I/O and mixer through the web
- Controllable by LAN & RS-232
- Cost-effective, reliable and simple to install (no driver required)
- Compact and slim housing design with only 18mm height



System Diagram



WirelessMedia

