

MVS-4K-3636



MVS-4K-1616 – is an 18Gbps 36x36 seamless UHD Matrix Router Chassis. The system frame contains 18 inputs and 18 outputs slots to be filled with 2x channel video I/O modules; this way allows realizing up to 36 inputs and up to 36 outputs digital video matrix. The type of input or output module for each slot could be chosen from the wide range of modern ultra high bandwidth video interfaces and depends on the particular project needs. Supported video resolution is up to 4K60 4:4:4. Seamless switching between sources ensures high quality of picture with no sync loses, glitches or visual artifacts. Each output of the matrix allows setting output resolution individually and independently. VideoWall mode allows building a video wall using any of connected displays. The product supports Audio follow Video routing. Audio embedding and de-embedding functions are also supported. The product supports EDID and HDCP management. Simple and powerful control abilities allow using unit in any modern system, thanks to IP and RS232 interfaces with open API. Redundant power supply gives additional stability and protection for the heart of your video system. Unit housed in robust metal case good enough for protecting and cooling the system components. Chassis could be mounted in the standard 19" rack and takes 8U space.

Features:

- Multi interface matrix routing system from 2x2 to 36x36
- HDMI, DVI, SDI, VGA, YUV, HDBaseT, Fiber and other interface cards are available
- 2x channel 2K with OSD function and 4K Cards for Inputs and Outputs
- HDMI 2.0 and HDCP 2.2 compliant using HDMI Cards
- Support 18 Gbps video bandwidth
- Support video resolution up to 4K60 4:4:4
- Color space: RGB, YCbCr 4:4:4, YCbCr 4:2:2
- Support seamless switching and video wall functions
- Support external L/R audio embedding into HDMI stream
- Support EDID management
- Support local - front panel, or remote - RS232, TCP/IP, web-GUI control
- Aberman Matrix Software™ - easy to use, intuitive and powerful software

Package Contents:

- 1 x 36x36 UHD Matrix Router Chassis
- 2 x AC Power Cord
- 1x CAT5e patch cable
- 1x USB-RS232 Cable
- 1x User Manual

Modular Matrix

Specification:

SKU	MVS-4K-3636
Type	Modular Video Matrix
HDMI Compliance	HDMI2.0
HDCP Compliance	HDCP1.4/2.2
Bandwidth	18Gbps
Color Scales, Subsampling	RGB, YUV, 4:2:0, 4:2:2, 4:4:4
Supported Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 3840x2160, 4096x2160
Switching Type	Seamless with Independent Scaling
Supported Modes	Matrix, Videowall
Control Ways	Front Control, IR, Open API, GUI
RS232	4x 9600 Baud, data bit 8, stop bit 1, no parity, DB9
IP Ethernet Network Compliance	1x TCP/IP, 10/100Mbit, RJ45

Mechanical

Input / Output / Control Slots	18 / 18 / 1
Power Type	2x Redundant
Power Supply	AC 110-240V, 50-60Hz, 200W
ESD Protection	±8kV air-gap, ±4kV contact (human body model discharge)
Enclosure Material	Metal
Finished Colour	Dark Grey
Rack Mount	8U
Dimension	483x365x356mm
Weight	23 kg
Operating Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Relative Humidity	10%~90% (non-condensing)

Inputs

2x channel module

2K Cards Up to 1920x1080p
4K Cards Up to 3840x2160@60Hz
HDMI
DVI-U (HDMI/DVI/VGA/YUV/CV)
HDBaseT
SDI
Fiber

Outputs

2x channel module

2K Cards Up to 1920x1080p
4K Cards Up to 3840x2160@60Hz
HDMI
DVI-U (HDMI/DVI/VGA/YUV/CV)
HDBaseT
SDI
Fiber

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