tahoe-4k

Configurable Matrix System for Hospitality Applications



The tahoe-4k configurable matrix system is a five part system that can be configured up to 24 inputs and as many as 120 outputs. The tahoe-4k chassis come in four sizes, max outputs available 36/60/72/120, all chassis support 8/16/24 inputs. The matrix system is 4K and auto-scaling. Up to 3x4 video wall support is built in, as well as three different available quadview layouts. The compact receiver is powered by the matrix. Display control is via CEC and is editable for more compatibility. The tahoe-4k includes a front panel control screen for basic settings and routing. For advanced control the SBS Controls system is recommended.

Features:

- HDMI 2.0b (18Gbps)
- Card based up to 120 outputs
- Audio Breakout from HDMI input
- All outputs have scaling
- Video Wall up to 4x3/3x4 per card
- Autoscaling
- Multiview (Quad mirrored on 4 outputs)
- CEC power control of displays Not
- IP based- simple drop in replacement for Knox or Neopro tahoe (Cat5e or 6 to displays)
- 2-Year Warranty



Specifications:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	Up to 4K2K@50/60Hz (YUV4:4:4),4K2K@30Hz,1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8, 10, 12-Bit
HDMI Audio Formats (Pass-through)	LPCM Stereo
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
RX Distance	Cat5e: 165' @ 4k60, 197' @ 1080P Cat6 or better: 200' @ 4k60, 230' @ 1080P
Connections	
Inputs	8 x HDMI Type A [19-pin female] per card (up to 3 cards per chassis)
Outputs	12 x RJ-45 / UTP per card 8 x Stereo Audio [3.5mm mini-jack] on input card
Control Ports	1xLAN [RJ45] 1xRS232 [DB-9]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	36 Output is 7RU / 60 Output is 8RU / 72 and 120 Output are 10RU) RX 90mm [3.5"] x 60mm [2.375"] x 25mm [1"]
Weight	Matrix [12-60lbs] RX[6.375oz]
Power Supply	Input: AC100 - 240V 50/60Hz
Power Consumption	540W (Max for 72 output) 800W (Max for 120 output)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)