

# 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 quad-view 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)