

Data Sheet

IMX3-NE-H4K60S-44

HDMI 4x4 Matrix Switcher With Audio De-embedding

iMX3-NE-H4K60S-44 is a multi-purpose 4K60 HDMI matrix switcher, which can distribute any 4 HDMI inputs to any 4 HDMI output displays with resolution up to 4K@60Hz 4:4:4 at an 18Gbps video bandwidth. It integrates the functions of seamless switching, video wall, multiview and KVM switch. In addition, there are 8 presets and these presets can be easily accessed and recalled by user. It can be controlled by front panel buttons, IR remote, TCP/IP WebUI and RS232 command (3rd parties central control). iMX3-NE-H4K60S-44 is an ideal solution for applications in conference rooms, digital signage, educational institutions, advertising displays, sports arenas, entertainment venues, hotels and restaurants.



✓ Features

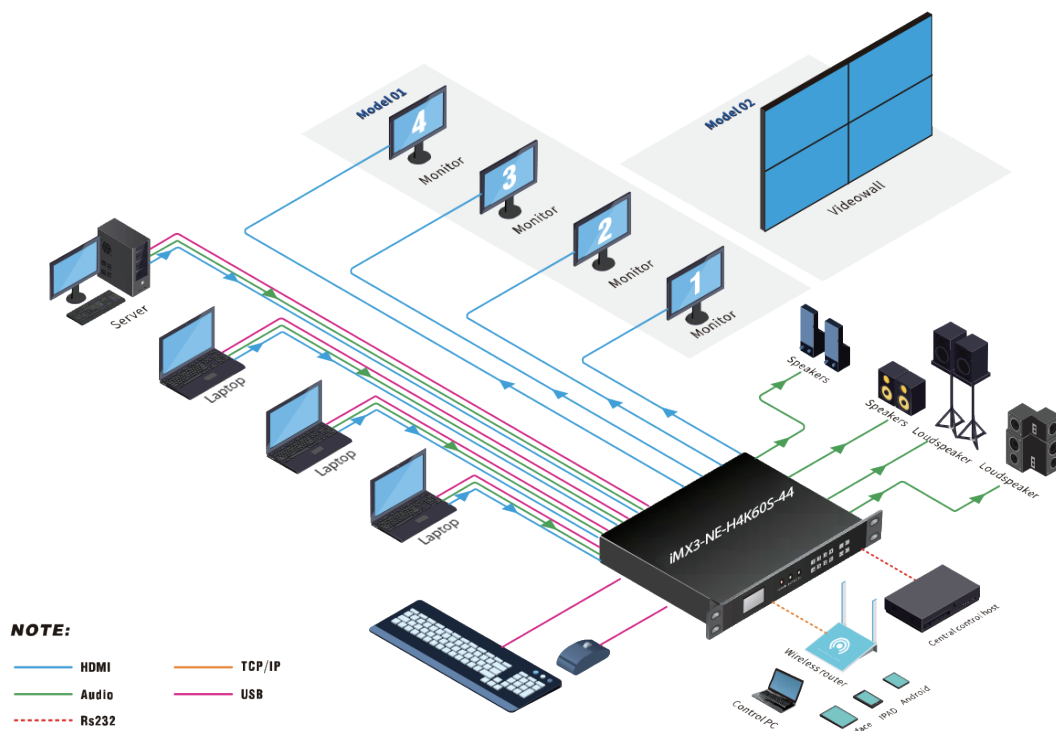
- 4x HDMI2.0 inputs and 4x HDMI2.0 outputs
- Video resolution up to 4K@60Hz 4:4:4
- Compliant HDCP 2.2 with EDID management
- Seamless switching between inputs
- Support LED and LCD videowall
- User-defined output resolution
- User-defined videowall display layout
- User-defined multiview display layout
- Inputs and outputs status monitoring
- 3 operational modes: Matrix switcher, Videowall controller, Multiviewer
- Audio embedding and de-embedding with separate audio inputs and outputs
- Optional KVM module which are display and control 4 inputs with a set of mouse and keyboard

✓ Technical Specifications

iMX3-NE-H4K60S-44	
Video In	4 x HDMI Type A Female
Video Out	4 x HDMI Type A Female
Audio Input	4 x 3P-3.5mm Audio Phoenix Terminal
Audio Output	4 x 3P-3.5mm Audio Phoenix terminal
KVM Ports	4 x USB2.0 AM/BM, 1 x Mouse, 1 x Keyboard
HDMI Version	HDMI2.0, HDCP2.2
Bandwidth	18Gbps
Input Video Resolution	800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz, 480p, 576p, 720p, 1920x1080i, 1920x1080p, 3840x2160@24Hz/25Hz/30Hz/ 50Hz/60Hz, 4096x2160@24Hz/25Hz/30Hz/50Hz/60Hz.

Output Video Resolution	1920x1080@60Hz, 3840x2160@30Hz, 3840x2160@60Hz, 1280x720@60Hz, 1920X1080@30Hz, 1360x768@60Hz, 1900x1200@60Hz, 4096x2160@60Hz Support custom resolution under 4096x2160@60Hz, 7680x2160@30Hz 5760x3240@30Hz, 7680x1080@60Hz
Video Wall	LED and LCD video wall
PIP/POP	PIP/POP is possible for 6 outputs / 4 outputs/ 2 outputs video wall.
Hdmi Amplitude	T.M.D.S +/- 0.4Vpp
Differential Impedance	100±15ohm
Control Method	Front panel buttons, IR remote, WebUI and RS232 command
Baud Rate and Protocol	Baud rate: 115200, Data bits: 8, Stop bit: 1, no parity bit
Browser	IE10.0+,HTML5
Power Supply	100W(Max.) / 110-240V AC
Dimension(Mm)	440 x 260 x 45, (WxHxD) 1U
Net Weight	3Kg
Operating Temperature	-20 to 50°C
Storage Temperature	-20 to 70°C
Humidity	10%-70%

✓ System Diagram



Vistrol

Singapore | Malaysia

w www.vistrol.com
e sales@vistrol.com

ISO 9001:2005 Certified Company:



* For any enquiry , please send email to sales@vistrol.com

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