

## Data Sheet

# iMX3-NE-H4K60S-88

HDMI 8x8 Matrix Switcher With Audio De-embedding

iMX3-NE-H4K60S-88 is a multi-purpose 4K60 HDMI matrix switcher, which can distribute any 8 HDMI inputs to any 8 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 and multiview. Speaking of audio functionality, the matrix switch supports audio de-embedding, enabling built in audio extract from HDMI output. In addition, there are 16 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-88 is an ideal solution for applications in conference rooms, digital signage, educational institutions, advertising displays, sports arenas, entertainment venues, hotels and restaurants.



## ✓ Features

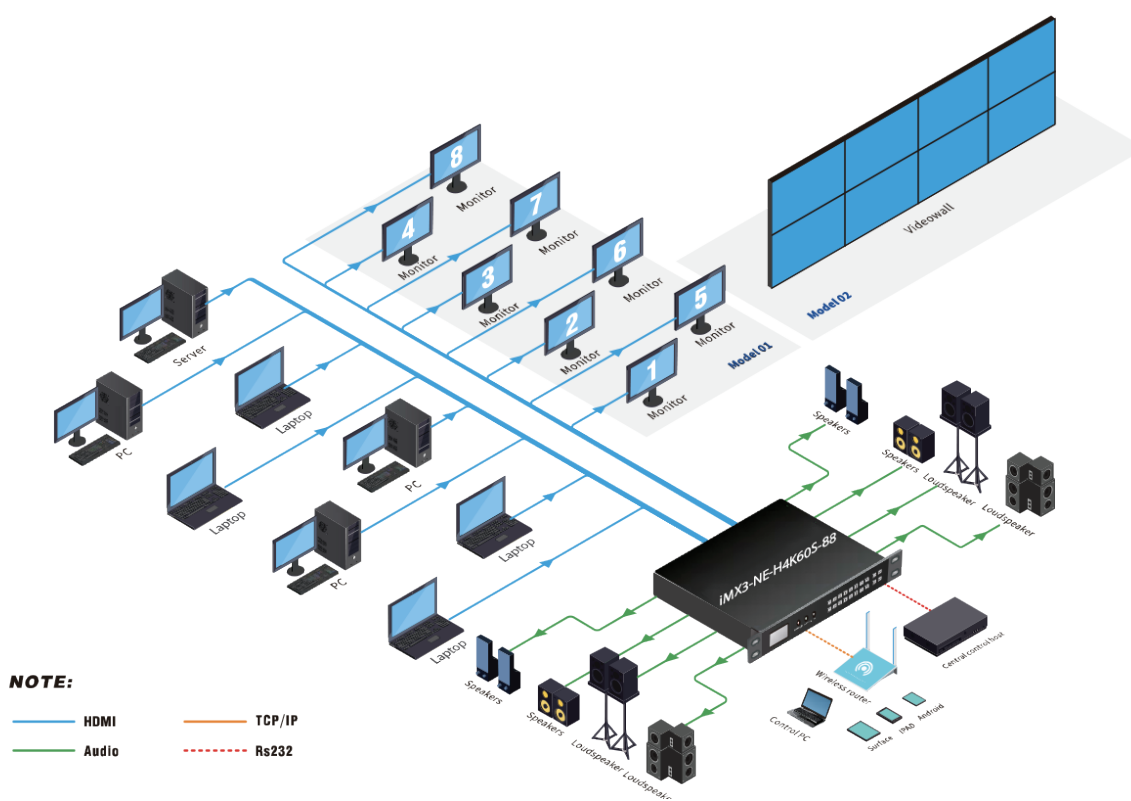
- 8x HDMI2.0 inputs and 8x HDMI2.0 outputs
- Video resolution up to 4K@60Hz 4:4:4
- Compliant HDCP 2.2 with EDID management
- Seamless switching between inputs
- User-defined output resolution
- Support LED and LCD videowall
- User-defined videowall display layout
- User-defined multiview display layout
- Inputs and outputs status monitoring
- Audio de-embedding with 8x 3P-3.5mm audio phoenix outputs
- 3 operational modes: Matrix switcher, Videowall controller, Multiviewer

## ✓ Technical Specifications

| iMX3-NE-H4K60S-88      |                                                                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video In               | 8 x HDMI TypeA Female                                                                                                                                                                                                                                                                           |
| Video Out              | 8 x HDMI TypeA Female                                                                                                                                                                                                                                                                           |
| Audio Input            | 8 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@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<br>Support user-defined resolution under 4096x2160@60Hz. |
| Video Wall              | LED and LCD video wall                                                                                                                                                                |
| PIP/POP                 | PIP/POP is possible for 3 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            | 50W(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



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