



Premium Audio/Video Matrix Switches

Our Nice/ELAN[®] Audio/Video Matrixes deliver industry leading features for distributed media throughout the home. Featuring 4K video, Bi-directional IR and PoC up to lengths of 100m and a built-in audio matrix switch with up to 26 audio inputs. These advanced features take the guesswork out of system design.

The matrixes feature independent audio routing, Audio Return Channel (ARC), audio embedding and de-embedding to make projects both simple and reliable. Analog and digital audio from video sources is easily added using the analog inputs, HDMI inputs, or Audio Return Channel (ARC).

The extensive I/O and the flexibility to route signals from almost any source to virtually any destination allows for almost limitless possibilities.

Using HDBaseT technology these matrixes facilitate high-definition content distribution, up to 4K, along with all the HD audio formats. HDBaseT also connects control signals and Ethernet to remote areas, enabling control of monitors and sources, while providing internet to smart TVs, streaming sources, and gaming consoles. With simultaneous HDBaseT/HDMI outputs, up to two HDBaseT inputs, LAN Serving and RS-232 pass-through, the

premium Nice/ELAN A/V matrixes take full advantage of the benefits offered by HDBaseT.

With our award winning Nice/ELAN Control System, configuring a Nice/ELAN A/V Matrix is simplified. In just seconds, the integrator can define audio channels, designate EDID presets, and insert audio delays on outputs to correct any lip-sync issues within the system all from ELAN's Configuration Software. The built-in web interface module makes it easy to setup and use these powerful products in any installation.

4x4 HDBaseT Matrix



ORDER NO. EL-4KM-V44-18G

The Nice/ELAN® 4x4 HDBaseT matrix offers unprecedented performance and value for the custom installation market. The EL-4KM-V44-18G is a HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 matrix utilizing CSC technology to deliver HDMI, bi-directional IR and PoC up to lengths of 70m over a single CAT cable.

The matrix also provides advanced features including simultaneous HDBaseT/HDMI on output 1, video down conversion on HDBaseT outputs, and a web browser interface module for control and configuration of the matrix.

FEATURES

- Advanced HDBaseT technology enables distribution of video and audio over a single CAT cable
- Advanced Color Space Conversion (CSC) supports HDMI 2.0 18Gbps specification including HDR
- The four (4) HDMI inputs can be independently routed to four (4) HDBaseT outputs with output 1 featuring simultaneous HDMI and HDBaseT output
- Video down-conversion on HDBaseT outputs allows a display only capable of supporting lower video resolutions (4K 60Hz 4:2:0 or 1080p) to receive 4K 60Hz 4:4:4 video content while still showing maximum original 4K UHD resolution on remaining video outputs
- Supports 4K 60Hz 4:4:4 UHD video up to 40m and 1080p video up to 70m
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K and all known HDMI audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- Control via front panel, IR, RS-232, and TCP/IP
- Supports PoC (Power over Cable) to power compatible HDBaseT receivers
- Advanced EDID management and HDCP 2.2 compliant

SPECIFICATIONS

Video Input Connectors	4 x HDMI Type A, 19-pin, female
Video Output Connectors	1 x HDMI Type A, 19-pin, female, 4 x HDBaseT™ RJ45 connectors
RS-232 Serial Port	1 x 3-pin Phoenix connector
IR Input Ports	5 x 3.5mm stereo jack
IR Output Ports	4 x 3.5mm mono jack
Rack Mountable	1U rack height, rack ears included
Casing Dimensions (W x H x D)	437mm x 44mm x 377mm (without feet)
Shipping Weight	6.25kg
Operating Temperature	32°F to 104°F (-5°C to +55°C)
Storage Temperature	-4°F to 140°F (-25°C to +70°C)
Power Supply	Internal 100-240V AC 3A
HDBT Power Output	12V DC 0.8A Per Port



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8x8 HDBaseT Matrix



ORDER NO. EL-4KPM-V88-A268-18G

The Nice/ELAN® 8x8 HDBaseT Matrix offers unprecedented performance and value for the custom installation market. The EL-4KPM-V88-A268-18G is a HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 Matrix package utilizing CSC technology to deliver HDMI, Bi-directional IR and PoC up to lengths of 70m over a single CAT cable. The Matrix also provides advanced features including simultaneous

HDBaseT / HDMI on output 1, video down conversion on HDBaseT outputs and independent 26x8 audio Matrix including Audio Return Channel (ARC). The EL-4KPM-V88-A268-18G includes in-built web browser interface module for control and configuration of the Matrix, along with RS-232 and IR pass-through for seamless 3rd party control integration

FEATURES

- Advanced HDBaseT technology offering distribution of video and audio over a single CAT cable
- Advanced Color Space Conversion (CSC) supports HDMI 2.0 18Gbps specification including HDR
- Features 8 x HDMI inputs which can be independently routed to 8 x HDBaseT outputs
- Output 1 features simultaneous HDMI and HDBaseT output
- Video down-conversion on HDBaseT outputs allowing a display only capable of supporting lower video resolutions (4K 60Hz 4:2:0, or 1080p) to receive 4K 60Hz 4:4:4 video content, while still showing maximum original 4K UHD resolution on remaining video outputs
- Supports 4K 60Hz 4:4:4 UHD video up to 70m, and 1080p video up to 100m
- Supports all known HDMI audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- Web interface module for control and configuration of Matrix
- Supports bi-directional IR and RS-232 on all HDBaseT outputs
- Control via front panel, IR, RS-232 and TCP/IP
- Supports PoC (Power over Cable) to power compatible HDBaseT receivers
- Supplied with Nice/ELAN 5V 3.5mm IR receivers and emitters
- Advanced EDID management and HDCP 2.2 compliant
- ARC feature compatible with EL-4KHDBT-RX-70-ARC-18G only
- 26x8 Audio Matrix independently controllable from video. Audio source inputs include:
 - 8 x audio breakout from HDMI source inputs
 - 8 x audio breakout from zone outputs
 - 8 x ARC from zone outputs*
 - 1 x Optical and 1 x analogue audio input

SPECIFICATIONS	
Video Input Connectors	8 x HDMI Type A, 19-pin, female
Video Output Connectors	1 x HDMI Type A, 19-pin, female, 8 x HDBaseT RJ45 connectors
Audio Input Connectors	1 x Analog audio L/R (3.5mm stereo Jack), 1 x Optical (S/PDIF)
Audio Output Connectors	8 x Analog audio L/R (3.5mm stereo Jack), 8 x Optical (S/PDIF)
RS-232 Serial Port	9 x 3-pin phoenix connector
IR Input Ports	9 x 3.5mm stereo jack
IR Output Ports	9 x 3.5mm mono jack
Rack Mountable	2U rack height, rack ears included
Casing Dimensions (W x H x D)	436mm x 88mm x 400mm (without feet)
Shipping Weight	10.5kg
Operating Temperature	32°F to 104°F (-5°C to +55°C)
Storage Temperature	-4°F to 140°F (-25°C to +70°C)
Power Supply	Internal 100-240V AC



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