

DMX818K Presentation Matrix

DEXON's 4K60 Scaling Matrix Switchers, 8x8



Matrix switch of 8x8
4K60 inputs and outputs
Up- and down-scaling
Integrated Media Player
Display multiple IP cameras
VNC PC input source visualisation

Intelligent Matrix

DMX818K is a 8x8 presentation scaling matrix developed for applications where 4K60 HDMI input signals must be switched to certain or multiple 4K60 HDMI outputs. This device offers all-in-one matrix services as signal scaling, seamless switch, fade effects and audio handling. Additionally the product contains an internal processor with unique services as displaying multiple IP camera streams, work as media player, web browser and vnc PC input source visualizer. DMX818K offers superior design, excellent price/performance balance, brilliant video quality and high reliability tailored to challenging AV projects. Easy installation and usage is guaranteed by DEXON's intuitive man-machine interface.

Main Features

DMX818K presentation scaling matrix solution provided by a standalone box with the following features:

- Supports 8x HDMI inputs, up to 4K60 4:4:4 resolution
- Drives 8x HDMI 4K60 4:4:4 outputs
- High quality scaling up or scaling down of input signals
- Attractive transition effects
- Integrated media player to display local or remote, live video contents
- Full HDCP support for input and output connections
- Embedded and separate analogue audio switching
- RS-232C and RJ45 LAN connectors for remote control
- HTML5 based, easy-to-use graphics user interface for configuration, layout management and scenario handling

DEXON Systems Ltd.

E-mail: sales@dexonsystems.com Web: <http://www.dexonsystems.com>

Phone: +36 23 422 804 Fax: +36 23 445 199 Address: Baross u. 165. H-2040 Budaörs, Hungary

Copyright © DEXON Systems Ltd. All Rights Reserved

Main Features

Input Signals

- Digital HDMI with HDCP
- L, R audio
- IP stream H.264, H.265, MJPEG, NDI

Input Signal Specification

HDMI 2.0, YUV 4:4:4, 4:2:2, 4:2:0
HDCP 2.3 640x480 - 3840x2160 60Hz

Output Signals

- HDMI with HDCP
- L, R audio

Output Signal Specification

HDMI 2.0, YUV 4:4:4, 4:2:2
HDCP 2.3 640x480 - 3840x2160 60Hz

Audio Handling

R, L analogue audio inputs and outputs
Audio embedding and de-embedding

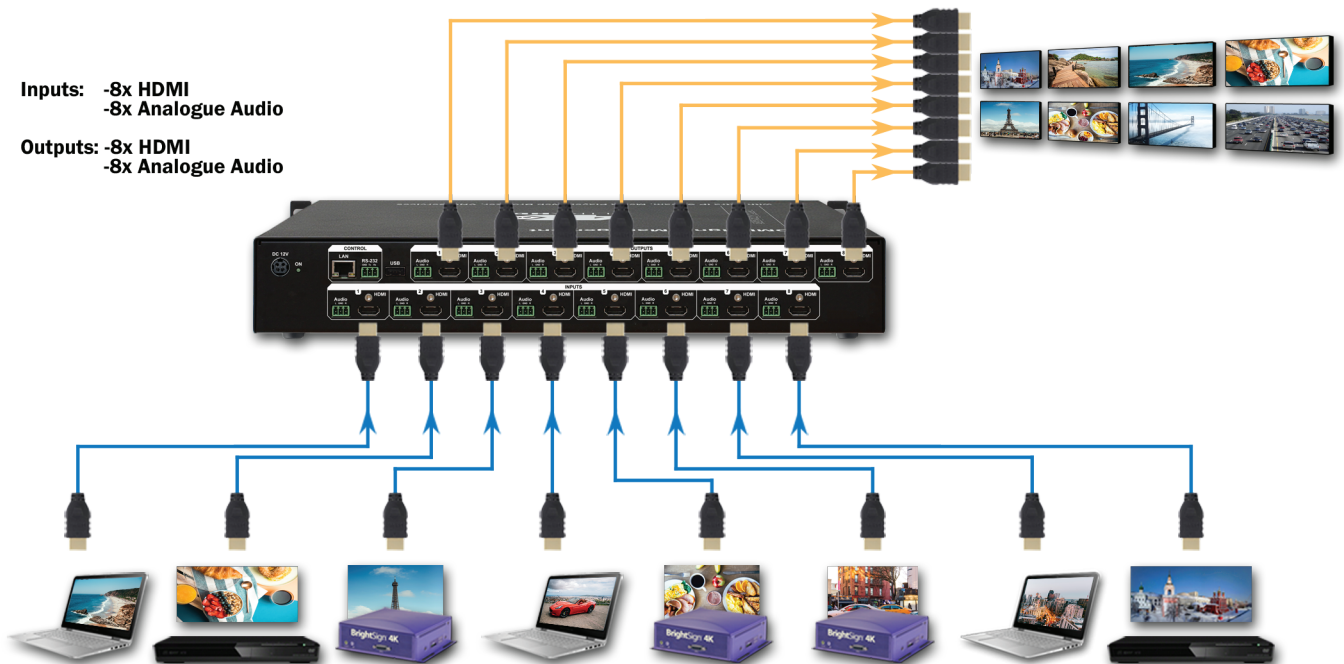
Setup and Configuration

- Easy-to-use setup through push buttons and LCD panel
- LAN connection for remote setup
- RS-232C control

Application

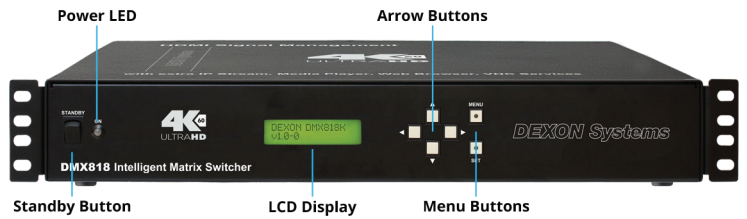
Inputs: -8x HDMI
-8x Analogue Audio

Outputs: -8x HDMI
-8x Analogue Audio

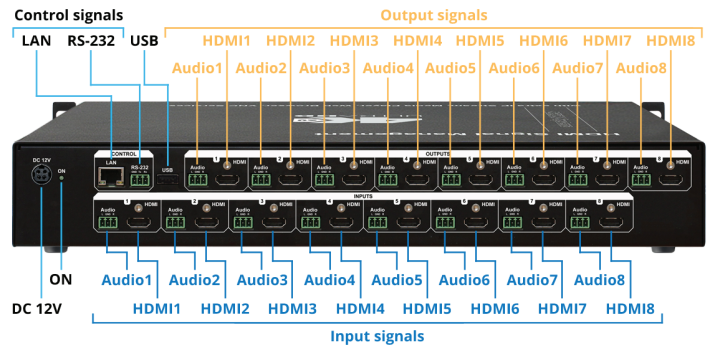


System Architecture

DMX818K Front Panel



DMX818K Back Panel



General

- 19" rack-mountable enclosure
- Dimensions: 435 x 299 x 66 (mm)
- Power consumption: 50W
- Weight: 2.5kg

DEXON Systems Ltd.

E-mail: sales@dexonsystems.com Web: <http://www.dexonsystems.com>
Phone: +36 23 422 804 Fax: +36 23 445 199 Address: Baross u. 165. H-2040 Budaörs, Hungary
Copyright © DEXON Systems Ltd. All Rights Reserved