

# DMX824K Presentation Matrix

DEXON's All-in-One, 4K60 Matrix Switchers, 8x4



**Matrix switch of 8x4  
4K60 inputs and outputs  
Up- and down-scaling  
Integrated Media Player  
Display multiple IP cameras  
PIP of 2 different inputs**

## Intelligent Matrix

DEXON Systems' DIMAX Matrix Switchers are vital components in demanding AV projects where different input signals must be switched to any or multiple outputs. They serve broadcast, digital signage or conference room applications that demand the best equipment in order to deliver a complete solution. DEXON Intelligent Matrix (DIMAX) provides perfect solution with smart features as quality scaling, transition effects and seamless switching. DIMAX Family 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

DMX824K intelligent matrix is an all-in-one solution provided by a standalone box with the following features:

- Supports 8 HDMI inputs, up to 4K60 4:4:4 resolution
- Drives 4xHDMI 4K60 4:4:4 outputs
- High quality scaling up or scaling down of input signals
- Programmable seamless switching
- Attractive transition effects, cross fade switching
- PIP of two different input sources to any output
- Built-in media player
- 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

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# 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, HDCP 2.3 from 640x480 to 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 from 640x480 to 3840x2160 60Hz

## Audio Handling

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

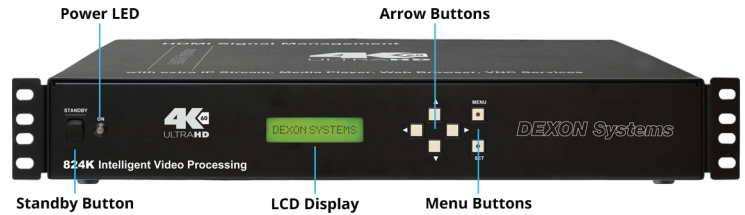
## Setup and Configuration

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

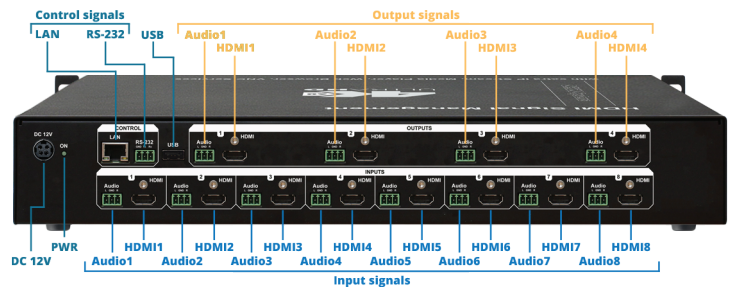
## Application

## System Architecture

### DMX824K Front Panel



### DMX824K Back Panel

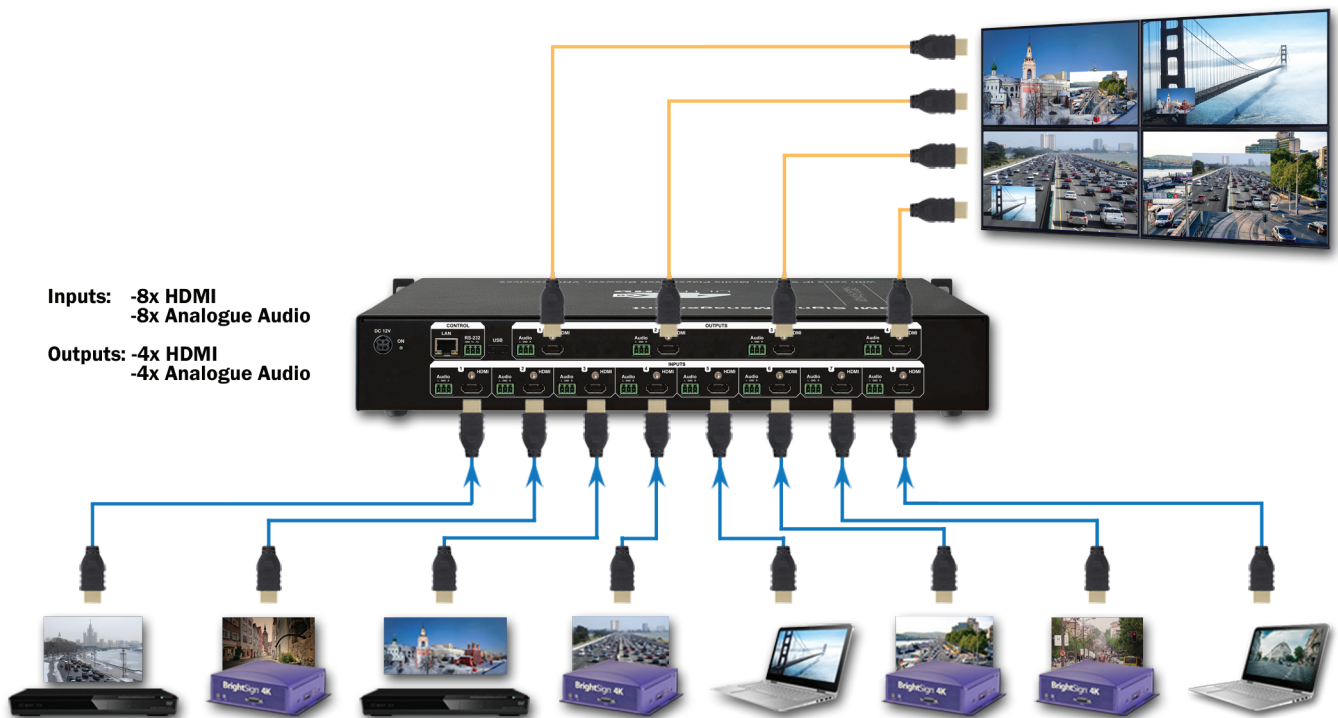


## General

- Dimensions: 435 x 299 x 66 (mm)
- 19" rack-mountable enclosure

## Models

	Input signals	Output signals
DMX824K	8x HDMI with HDCP 8x Audio	4x HDMI with HDCP 4x Audio



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