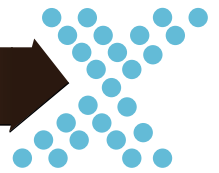


# DIMAX4K Scaling and Seamless Matrix

DEXON's Intelligent Modular Matrix Switcher Family



- ✓ Modular Matrix from 4x4 to 64x64
- ✓ Handling of all industry standard video signals up to 4K
- ✓ Scaling, seamless switching, transition effects
- ✓ PIP of two different inputs

## Intelligent Matrix

DEXON Systems® offer high quality, intelligent matrix switchers to handle min. 4 input and 4 output max. 64 input and 64 output signals in demanding AV projects. The modular units accept different format of input signals, switch and scale them to the required output resolution up to 4K.

Professional scaling, format conversion and PIP display make the product an essential part of AV projects where different signals must be processed, switched and presented. Advanced signal processing provide the highest quality and crystal clear video picture without loss of frames. The easy-to-use configuration can be controlled locally through push buttons or remotely through LAN connection.

## System Characteristics

DIMAX Intelligent Matrix main features:

- Supports all currently used video signal standards up to 4K resolution
- Expandable from 4x4 to 64x64 with 4-channel input and output boards
- Professional signal quality tuning services as de-interlacing, comb filtering and noise reduction
- High quality scaling up or scaling down of input signals to the outputs
- Real seamless switching and transition effects
- PIP display of two different inputs
- Full HDCP support for input and output connections
- Separate audio matrix for embedded and analogue audio signals

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# Main Features

## Input Boards

- **Universal input board**  
4x analogue or digital SD/HD input signals  
4x DVI-I (Female) connectors
- **HDMI input board**  
4x HDMI with HDCP  
4x Phoenix analogue audio
- **Cat input board**  
4x HDBaseT inputs up to 100m, RJ45 female  
4x Phoenix analogue audio
- **Fiber Optic input board**  
4x SC standard Fiber Optic inputs  
4x Phoenix analogue audio
- **SDI input board**  
4x 3GSDI/HD-SDI/SDI input signals, BNC female  
4x Phoenix analogue audio

## Input Signal Specification

- **Digital HDMI**  
HDMI 2.0 and HDCP 2.2 specifications  
from 640x480 to 4096x2160
- **Digital DVI**  
DVI 1.0  
from 640x480 to 1920x1200
- **RGB, VSYNC, HSYNC**  
from 640x480 to 1920x1200
- **Component video, YPbPr**  
576i, 576p, 480i, 480p, 720p, 1080i, 1080p
- **S-video, Composite video**  
PAL, NTSC, SECAM
- **SDI**  
3GSDI/HD-SDI/SDI
- **HDBaseT**  
up to 100m (330 feet)  
from 640x480 to 1920x1200
- **Fiber Optic**  
up to 1,600m (5,250 feet)

## Output Boards

- **DVI output board**  
4x DVI with HDCP encryption
- **HDMI output board**  
4x HDMI with HDCP  
4x Phoenix analogue audio
- **Cat output board**  
4x HDBaseT outputs  
4x Phoenix analogue audio
- **Fiber Optic output board**  
4x SC Optic Fiber outputs  
4x Phoenix analogue audio

## Output Signal Specification

- **Digital HDMI 1.4 and HDCP 1.2**  
from 640x480 up to 3840x2160 pixels
- **Digital DVI 1.0**
- **Fiber Optic** up to 1,600m (5,250 feet)
- **HDBaseT** signal up to 100m (330 feet)

## Setup and Configuration

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

## General

- Dimensions: 483 x 178 x 526 (mm)  
483 x 296 x 526 (mm)  
483 x 613 x 526 (mm)
- 19" rack-mountable enclosure

## System Architecture

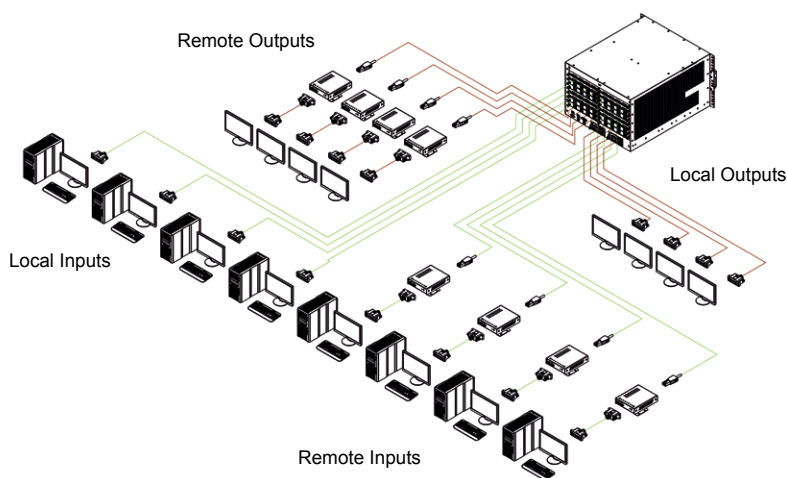
Front Panel



Back Panel



## Application



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