

DVP1644K Video Processor

DEXON's 16x4, 4K60 Intelligent Video Processors



- Handles 4K60 4:4:4 HDMI signals
- Controls 4-screen video wall surface, made of 4K monitors
- Input sources can be visualized in any position of the video wall
- Up- and down-scaling

Intelligent Processor

DEXON Systems' DVP1644 Video Processors are vital components in any AV project where HDMI input signals must be displayed over a 4x1 or 2x2 video wall. The processor handles 16x HDMI inputs and 4xHDMI outputs displaying video inputs in any size or in arbitrary position over the wall area but always in real time. 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. They serve boardroom, show room, LED wall, reception, digital signage or conference room applications.

Control and Configuration

The DVP1644K intelligent video processor is an all-in-one solution provided by a standalone box with the following features:

- 4K60 4:4:4 inputs and outputs
- High quality scaling up or scaling down of input signals
- Arbitrary arrangements and scaling of video inputs on the video wall surface
- Internal media player
- Seamless switch, fade-in, fade-out, cross-fade effects
- Full HDCP support for input signals and output connections

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, 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

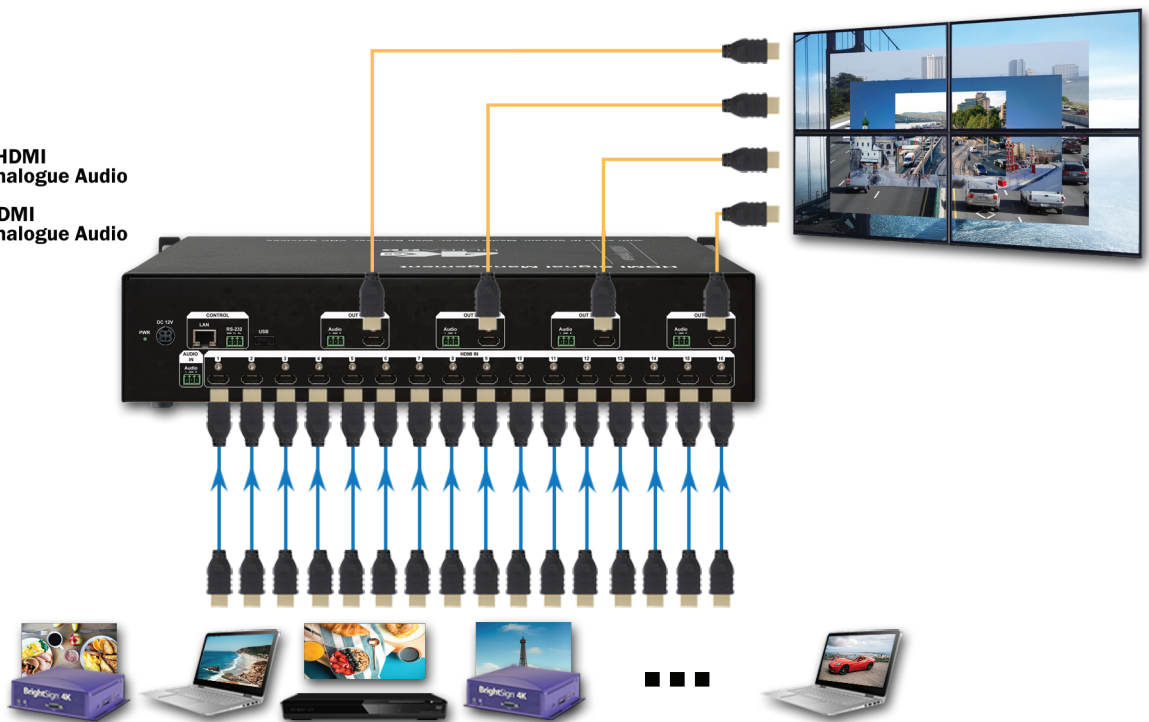
Setup and Configuration

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

Application

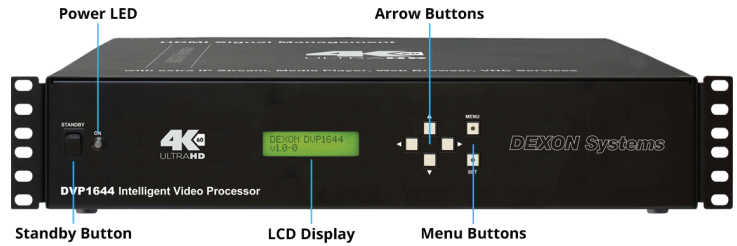
Inputs: -16x HDMI
-1x Analogue Audio

Outputs: -4x HDMI
-4x Analogue Audio

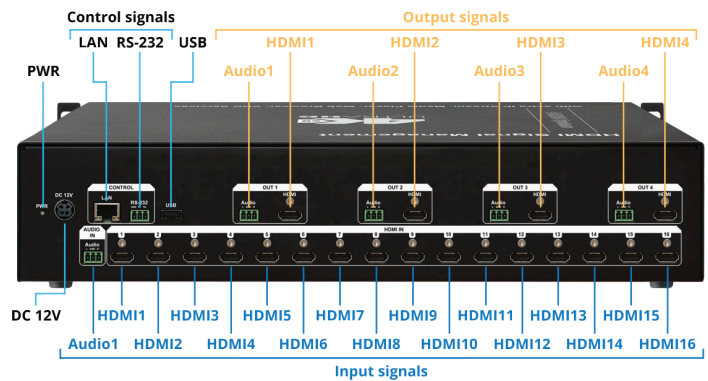


System Architecture

DVP1644K Front Panel



DVP1644K Back Panel



General

- 19" rack-mountable enclosure
- Dimensions: 435 x 299 x 87 (mm)
- Power consumption: 100W
- 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