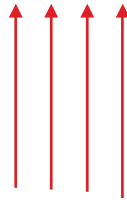


DUS104 1x4 Universal Scaler

Multiple Format Inputs Scaled to 4-screen Video Wall

1x4



- Controls video wall of 4 monitors
- Different input signals
- Up- and down-scaling
- Format and frame-rate conversion
- De-interlacing and comb-filtering
- Signal switching
- Optional rotation of output screens
- Control and configuration through LAN and RS232 interfaces

Universal Scalers

DEXON Systems offer high quality universal scalers to control 4-screen walls in demanding AV projects. The standalone units accept different format of input signals, switch and scale them to the required output resolution. All current industrial signal standards and formats are supported. The outputs of 4xHDMI signals form a coherent video wall where monitors can be mapped to any part of the large wall surface.

Professional scaling and format conversion make the product an essential part of AV projects where different signals are used to form one coherent solution. Advanced signal processing provide the highest quality and crystal clear video picture without loss of frames. Easy-to-use configuration can be performed locally through push buttons or remotely through LAN connection.

System Characteristics

The DUS104 Universal Scaler is an all-in-one solution provided by a standalone box.

- Supports various input signal and connector standards as composite video, S-video, component video (YPbPr), analogue RGB (VGA), 4 pieces of digital HDMI with HDCP, DisplayPort and 3GSDI
- Professional input signal processing as pixel motion adaptive de-interlacing, 3D adaptive comb-filtering and adaptive 3D noise reduction
- High quality up or down scaling
- Controls video wall of 4 monitors with identical or different resolutions
- Output monitors arbitrarily mapped to the video wall surface
- Crystal clear quality video picture

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

Technical Details

Input Signals

- 4 x Digital HDMI with HDCP
- DisplayPort
- 3GSDI/HD-SDI/SDI
- RGB, VSYNC, HSYNC
- Component video, YPbPr
- S-video
- Composite video

Input Signal Specifications

4 x Digital HDMI 1.3

HDMI 1.3 and HDCP 1.2 specifications from 640x480 to 1920x1200

4 x Digital DVI

DVI 1.0

from 640x480 to 1920x1200

DisplayPort 1.1

from 640x480 to 1920x1200

3GSDI/HD-SDI/SDI

SMPTE 424M, SMPTE 425M, SMPTE 292M, SMPTE 259M

RGB, VSYNC, HSYNC

from 640x480 to 1920x1200

Component video, YPbPr

576i, 576p, 480i, 480p, 720p, 1080i, 1080p

S-video

PAL, NTSC, SECAM

Composite video

PAL, NTSC, SECAM

Output Signals

- 4 x HDMI with HDCP and
- 4 x RGB VSYNC, HSYNC

Output Signal Specifications

DVI 1.0

HDMI 1.2 and HDCP 1.2

from 640x480 up to 1920x1200 pixels

Audio Handling

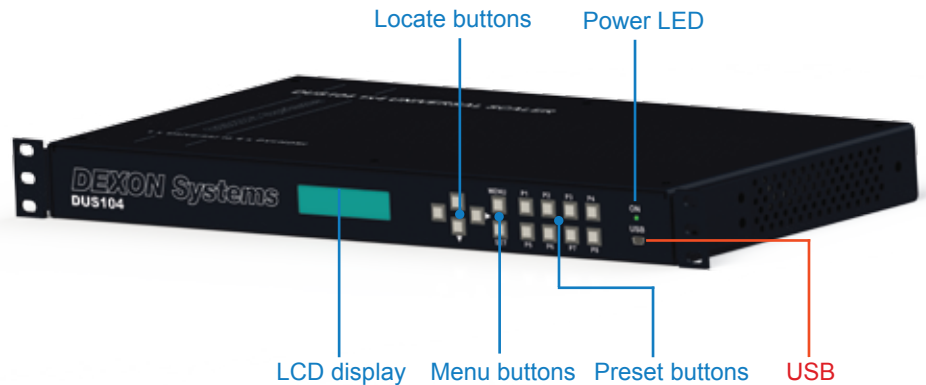
R, L analogue audio input
Audio embedding

Setup and Configuration

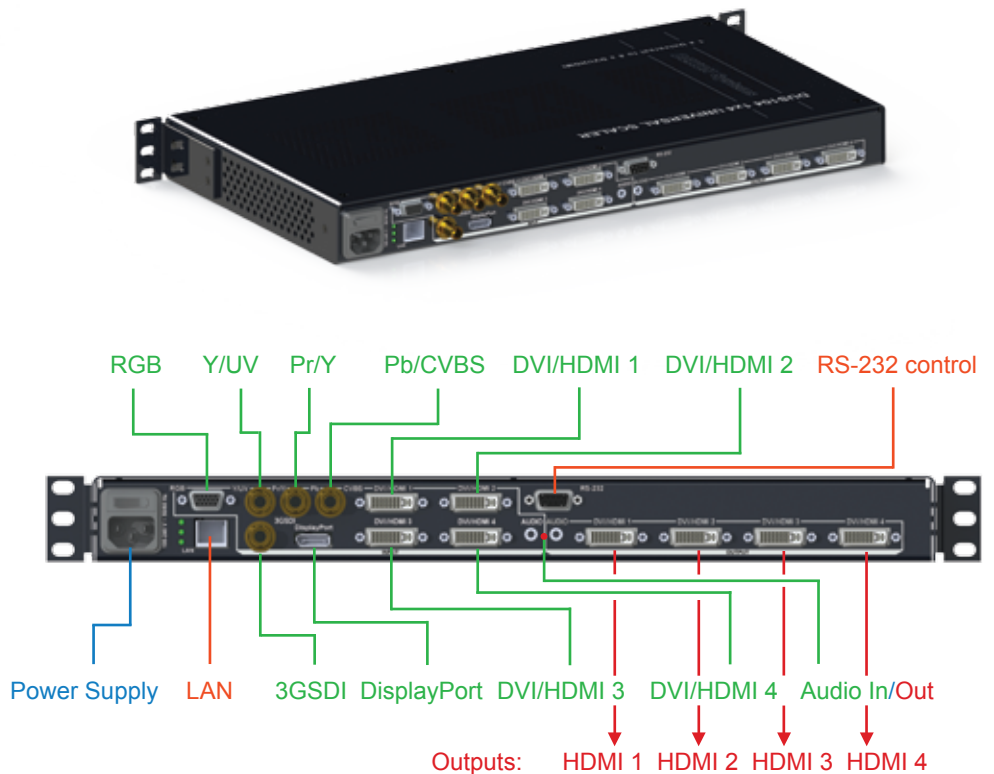
- Easy-to-use setup through push buttons and LCD panel
- LAN connection for remote setup
- RS232 connection for remote control

System Architecture

Control panel



Back panel



Model Name	Universal Inputs	SDI Input	Output
DUS104	Composite video S-video Component video, YPbPr RGB, VSYNC, HSYNC 4 x Digital HDMI / DVI DisplayPort 1.1 signal	3GSDI/HD-SDI/SDI SMPTE 424M SMPTE 425M SMPTE 292M SMPTE 259M	4 x DVI 1.0 / HDMI 4 x RGB

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