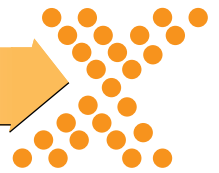


DUSE201 Universal Scaling Extender

Universal Inputs to DVI/HDMI Output through 100m Cat6 Cable



- Multi-format input signal handling
- Format and frame-rate conversion
- De-interlacing and adaptive comb-filtering
- Transmit HDMI signal over single Cat6 cable of 100m
- DVI/HDMI output connector on the remote receiver box
- Up/down-scaling and signal switching of Universal and SDI inputs



Universal Extender

DEXON Systems offer high quality universal extender for demanding AV projects. The DUSE scaling extenders accept different format of input signals, switch and scale them to the required output resolution and transmit through Cat6 cable to remote displays with HDMI input. The format and frame rate conversion make the product an essential part of AV projects where different signals are used to drive remote displays. Professional input signal processing and scaling provide the highest quality and crystal clear video picture on the output without loss of frames. Easy-to-use configuration can be performed by push buttons and LCD panel or USB connected laptop.

System Characteristics

The Universal Scaling Extender is an all-in-one solution provided by a standalone box of the following features:

- Supports all currently used input signal and connector standards as composite video, S-video, component video (YPbPr), analogue RGB (VGA), digital DVI, digital HDMI with HDCP, DisplayPort and 3GSDI/HD-SDI/SDI
- Professional input signal processing and quality improvement services as pixel motion adaptive de-interlacing, 3D adaptive comb-filtering and adaptive 3D noise reduction
- High quality scaling up or scaling down of input signals
- Switch and transmit the input signals to HDMI output up to 100 m distance
- Full HDCP support over single Cat6 cable

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Main Features

Input Signal Specifications

Composite video

- PAL, NTSC, SECAM

S-video

- PAL, NTSC, SECAM

Component video, YPbPr

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

RGB, VSYNC, HSYNC

- from 640x480 up to 1920x1200

Digital DVI

- DVI 1.0
- from 640x480 up to 1920x1200

Digital HDMI 1.3

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

DisplayPort 1.1

- from 640x480 up to 1920x1200

3GSDI/HD-SDI/SDI

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

Output Signal Specifications

Standard RJ45 connector

- for Cat6 cable of 100 m to remote box

DVI output connector for DVI/HDMI

- DVI 1.0 output signals
- HDMI 1.2 and HDCP 1.2 specification

Output Signal Specifications

- R, L analogue audio input
- R, L analogue audio output
- S/PDIF digital audio input
- S/PDIF digital audio output

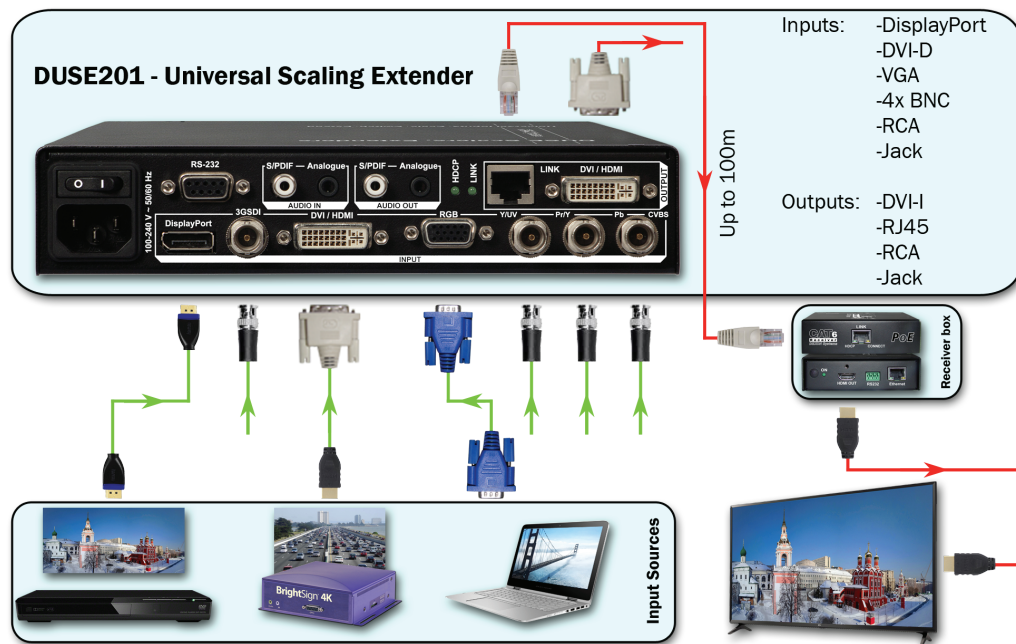
General

- Easy-to-use setup through push buttons and LCD panel or USB connected laptop
- Input: 100-240VAC, 50-60 Hz, 15W
- Dimensions: W105 x H28 x D125 (mm)

Typical Configuration



Application



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