

Multi-Layer, Hi-Resolution Mixer, Scaler, Seamless Switcher, with Keying/Edge Blending system with 4 Scalers



Di-VentiX II at a glance

- > 4 Live Layers
- > 3 modes: Seamless Mixer, 8x2 Seamless Matrix or Edge Blending
- > Full Digital In/Out Processing
- > Very powerful and easy-to-use Soft Edge
- > Video Output option in order to monitor the Program/Preview at the same time

References & Options

- > DVX8044: Di-VentiX II
- > DVX8044-A: With Audio Switcher Option
- > DVX8044 -VO: With Video Output Option
- > DVX8044-VO-A: Di-VentiX II with Video Output & Audio Switcher Options
- > OPT-8044-A: Audio Switcher Option
- > OPT-8044-VO: Video Output Option

To Control Di-VentiX II

- > Remote Control Software (RCS): Di-VentiX II (Supplied)
- > ARC200: Axion2
- > ORC50: Orchestra
- > RKD8044-T: Remote Keypad RKD8044-T with T-Bar

Key Features

8 Inputs among 16 plugs

- 4 x DVI-I
- 4 x 3G/HD/SD-SDI
- 4 x Universal Analog (Computer formats up to 2K)
- 4 x Universal Video (SDTV, EDTV, HDTV)

Outputs

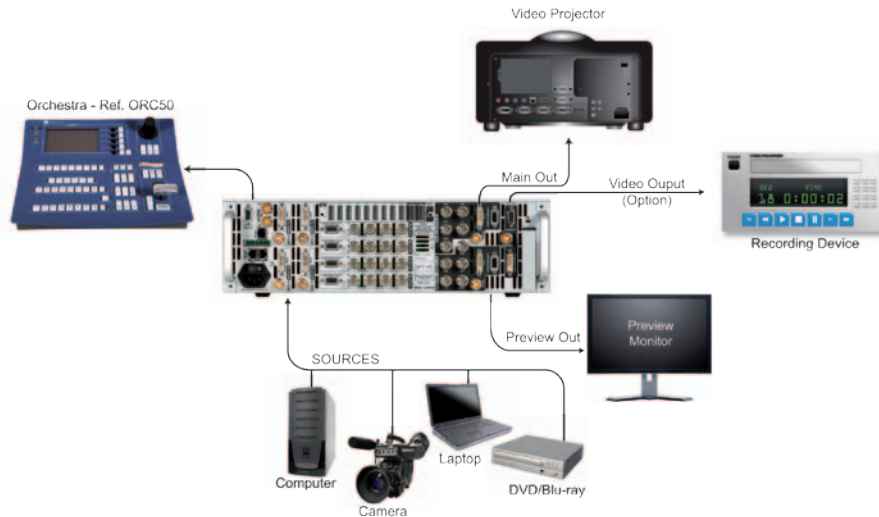
- 2 Analog and Digital Outputs: Main & Preview
- HDTV and Computer Formats up to 2K
- RGBHV, DVI-I and 3G/HD/SD-SDI
- Optional Video Output: SD/HD-TV Analog and Digital

Operation Modes & Effects

- 3 Operation Modes: Mixer, Sync Matrix and Edge Blending
- 4 Live Layers
- 8 Full Frames, 8 Logo Memories
- Luma/Chroma Key/DSK
- 16/9, 4/3, special sized and cropped output
- Pan & zoom resizing up to 1000%
- Cut, Dissolve (Fade), Slide, Transparency
- Moving PIPs
- PIP Border Smooth/Shadow/Smooth Edge (Edge: 1 color, 1 width, 1 height)



Diagram



Technical Specifications

8 Universal Inputs

Analog Inputs (All inputs #1 to #8)
SD-TV

- Composite, S.Video, YUV, RGB or RGBS
- NTSC: 15.735kHz/60Hz
- PAL/SECAM: 15.625kHz/50Hz

ED/HD-TV

- RGB, RGBS or YUV
- 480p/60 Hz – 576p/50 Hz - 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080psF/24, 25 or 30 Hz

Computer

- RGBHV, RGBS or RGB
- Resolution up to 1600x1200/60 Hz, 1920x1200/ 60 Hz or 2048x1080/60 Hz
- Horizontal frequency from 31.5 to 130 kHz
- Vertical frequency up to 130 Hz
- FpxMax = 165MHz

Digital Inputs (Inputs #1 to #4 only)

- DVI-I: SD-TV, ED-TV, HD-TV and Computer formats
- SDI: SD-TV & HD-TV – YUV/10bits/4:2:2, 3G-SDI
- Automatic synchronization detection

Main and Preview Outputs

Computer Digital and Analog:

- RGBHV, RGBS or RGB and DVI
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Vertical frequency 50, 60, 72 or 75 Hz depending on Output format
- FpxMax = 165MHz

HD-TV:

- RGB, RGBS or YUV, DVI and HD-SDI, or 3G-SDI
- 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60Hz – 1080psF/24, 25 or 30 Hz

Operation Standards

SMPTE 259M, SMPTE 274M, SMPTE 292M, SMPTE 296M and SMPTE 424M

Optional Video Outputs

- Analog and Digital SD/HD-TV
- SD-TV: NTSC/PAL, S.Video, RGB/YUV, DVI-D and SDI
- HD-TV: RGB/YUV, DVI-D and HD-SDI, or 3G-SDI
- HD Formats: 720p, 1080i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080psF/25 or 30 Hz
- Computer Digital: Resolution up to 1600x1200/60Hz,

1920x1200/60Hz or 2048x1080/60Hz. Vertical Frequency : 50, 60, 72, 75 Hz depending on output format. Fpx Max = 165MHz

Analog Genlock

- Input: HD Black 3 levels or SD Black Burst
- Output: Active loop through

Optional Audio Stereo In/Out

- **Input:**
 - 8 Audio stereo inputs + 1 Auxiliary
 - Balanced/Unbalanced
 - Vi = +18dBu
 - Zi = 20 kOhms (Unbalanced)/40 kOhms (Balanced)
 - Adjustable Level per input

- **Output:**
 - 2 independent outputs
 - Balanced/Unbalanced
 - Vo = +18 dBu/300 Ohms (Unbalanced)
 - Vo = +24 dBu/600 Ohms (Balanced)

User Controls - Front Panel

- Standby On/Off
- Input, Layer and Logo direct access
- Freeze/Black
- User defined layer properties
- Aspect ratio: 1/1 – Cropped - Full Screen
- Large Graphic VFD screen with control knobs and buttons for easy and fast access to menus and adjustments

Connectors - Rear Panel

- **Input #1 to #4 Connectors:**
 - DVI-I Female: (Digital and Analog SD/ED/HD-TV and Computer)
 - BNC (SD/HD-SDI)
- **Input #5 to #8 Connectors:**
 - HD15-F and 4xBNC: (Analog SD/ED/HD-TV and Computer)
- **Main and Preview Output Connectors:**
 - Each output is fitted with:
 - DVI-I Female: (Digital and Analog) RGB or YUV
 - HD15 Female: RGB or YUV
 - BNC: HD-SDI
 - BNC (x5): RGB or YUV
- **Miscellaneous:**
 - BNC (x2): Analog Genlock In and Loop Out
 - RJ45 (x2): Proprietary Device Synchronization
 - MCO 8 pins: GPI/O

- DB9: RS232 for remote control
- RJ45: Ethernet connection
- AC mains connector with On/Off switch

Optional Video Out:

- DB9-F: NTSC/PAL, S.Video, SD/HD-RGB/YUV
- BNC-F: SD/HD-SDI
- DVI-D-F: SD/HD-TV

Optional Audio:

- 5 pin MCO connectors: 9 for Inputs and 2 for Outputs

Dimensions

- 3U, 19"
- D 16.5" x W 19" x H 5.25"
- D 420 mm x W 480 mm x H 133 mm

Weight

- 7kg/15.43lbs

Power Supply

- Internal, universal, automatic, 100-250 V; 50/60 Hz; 250W(UL, CSA, GS, CE)

Supplied with

- 1 x Power supply cord
- 1 x MCO 8 Pin Connector
- 1 x Remote Control Software (RCS) (PC only)*
- 1 x User Manual*
- 1 x Quick Start Guide*

Warranty

- 3-year warranty on parts and labor back to factory

Specifications subject to change without prior notice



* All RCS, User Manuals and Quick Start Guides are also available on www.analogway.com