Di-VentiX II - Ref. DVX8044

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

3G SDI

HDCP Compliant

Full Digital Processing

infoComm09 rental&STAGING RENTAL & STAGING SYSTEMS
Best Video Signal Processing and Distribution Product

INPUTS

Universal analog x 8 | DVI x 4 / SDI x 4 | 2K/WUXGA

OUTPUTS

Main output | Video output
Optional

FEATURES

Preview | 4 Live Layers | Effects | SEB | Quad Scaler | Luma / Chroma Key

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 Blending mode
▶ 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
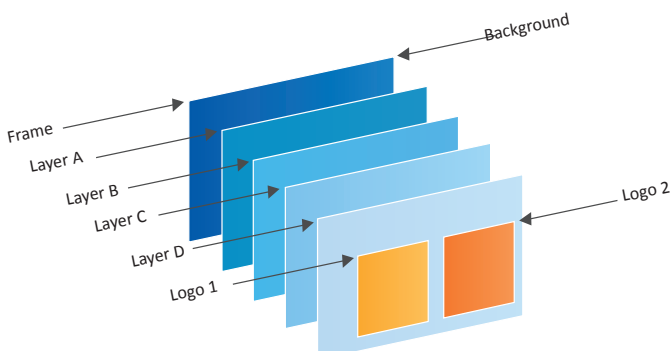▶ **OPT-8044-VO:** Video Output Option

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, Fade (Dissolve), Slide, Transparency
  • Moving PIPs
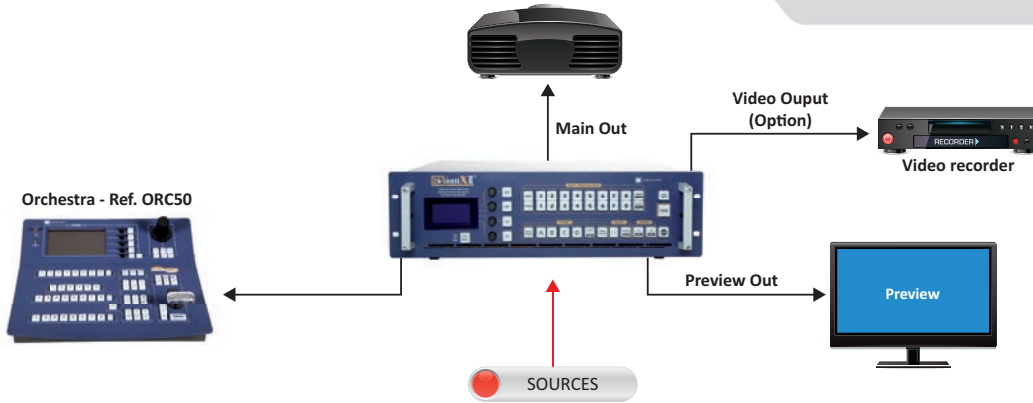 • PIP Border Smooth/Shadow/Smooth Edge (Edge: 1 color, 1 width, 1 height)

To Control Di-VentiX II

▶ **Remote Control Software (RCS):** Di-VentiX II (Supplied)
▶ **ORC50:** Orchestra
▶ **RKD8044-T:** Remote Keypad with T-Bar

Background
Frame
Layer A
Layer B
Layer C
Layer D
Logo 1
Logo 2

ANALOG WAY®
Pioneer in Analog, Leader in Digital

▶ Diagram:

Orchestra - Ref. ORC50

Main Out

Video Ouput (Option)

Video recorder

Preview Out

Preview

SOURCES

Technical Specifications

▶ 8 Universal inputs

Analog inputs (All inputs #1 to #8)
SD-TV
- Composite, S.Video, YUV, RGsB or RGBS
- NTSC: 15.735kHz/60Hz
- PAL/SECAM: 15.625kHz/50Hz

ED/HD-TV
- RGsB, 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 RGsB
- 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 RGsB 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:
- RGsB, 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 (1080p/50 and 60 Hz is not available in HD-SDI)
- 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 = 165 Mz

▶ 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 and update
- RJ45: Ethernet connection for remote control and update
- AC main 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:
- ▶ 7 kg
- ▶ 15.43 lbs

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 (PDF Version)*
- ▶ 1 x Quick Start Guide*

Warranty:
3-year warranty on parts and labor back to factor

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

Specifications subject to change without prior notice

All technical specifications are available on our website

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