

# Di-VentiX™

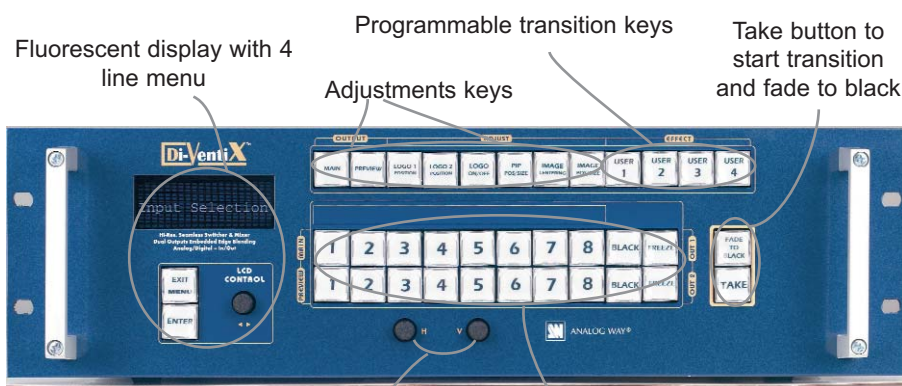
## Di-VentiX

**iX Range**

**Ref. DVX8022**

- > Hi-Res Computer and Video Mixer/Seamless Switcher
- > 100% Digital Input/Output Image Processing
- > Features Embedded Horizontal or Vertical Edge Blending
- > For High Resolution Presentations in Large Events, Rental & Staging Environments
- > PIP and Powerful Effects

**Award Winner**  
of 2 Best Innovation Product Awards  
for **"Most Innovative Video Switching Product"**  
& **"Best Video Signal Processing Product"**



### • 3 Operation Modes:

- Mixer Seamless Switcher with Hi-Res. Main & Preview outputs
- 8 inputs to 2 Scaled outputs Hi-Res. Native Matrix
- Edge Blending Dual Output Switcher on wide screens on to 2 video-projectors

### • 8 Universal Inputs:

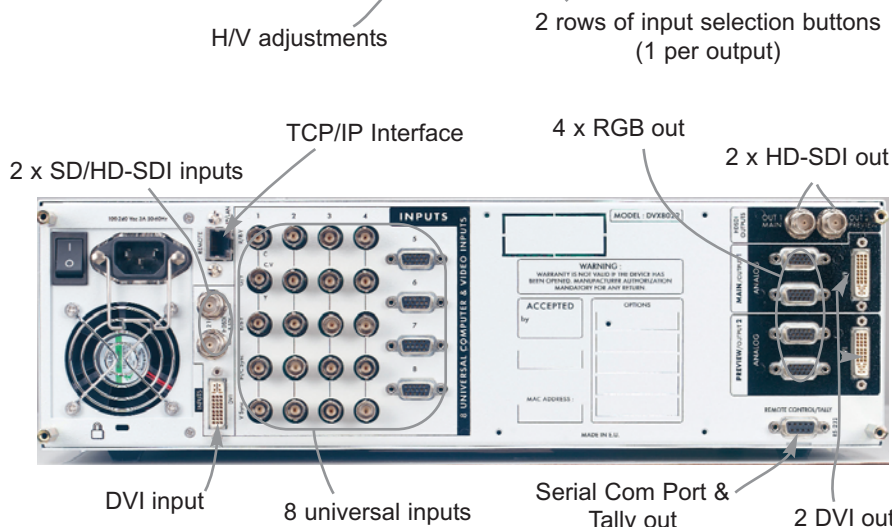
- Composite, S.Video, YUV, RGB, SDI, HDTV, HD-YUV (2 SDI/HD-SDI and 1 DVI can be assigned to any of the 8 Inputs)
- Computer up to UXGA

### • Outputs:

- 2 x Scaled up to 1920x1080p and 1600x1200 (UXGA),
- HDTV 1080i, 720p
- RGB, DVI and HD-SDI

### • Effects:

- Fading, Titling, Moving PIP with Borders, Wipes, Cut, Seamless Switching
- Double PIP on Frame Stores
- Hi-Res. Logo Inserter & Frame Stores
- Embedded dual Edge Blending



ANALOG WAY®

[www.analogway.com](http://www.analogway.com)

P/N: DVX8022/H0606-VA

# HI-RES MIXER & SEAMLESS SWITCHERS

## DI-VENTIX

### TECHNICAL SPECIFICATIONS

#### 8 UNIVERSAL INPUTS:

- **Composite Video**  
NTSC = 15.735 kHz/60Hz  
PAL/SECAM = 15.625kHz/50Hz
- **S.Video** (Y/C)
- **Component** (YUV) 60/50Hz - 625L/525L
- **RGB/S** (TTL or 0.3V Analog)
- **RGsB** (SOG: 0.3V Analog)  
60/50 Hz - 625L/525L
- **Computer** (RGB HV, RGB/S and RGsB):  
PC, Mac, Wkst. Automatic synchro & centering. Resolution up to 1600x1200 (130kHz)
- **HDTV**: Component (HD-YUV 3 levels sync.)  
1080i/60/50Hz, 720p/480p/60Hz
- 2 x SDI/HD-SDI - 4:2:2 (10 bits)
- 1 x DVI-D up to UXGA

#### DISPLAY OUTPUTS:

- Main / Out 1 & Preview / Out 2
- 2 x 2 HD15-F for: RGB HV, RGB/S or RGsB 0.7V/p / 75 Ohms
- 2 x DVI-D
- 2 x BNC for HD-SDI (HDTV)
- Output resolution:
  - PC 4/3: SVGA, XGA, SXGA, SXGA+, UXGA
  - PC 16/9: 852x480, 1280x720, 1365x768, 1920x1080
  - PC 50/60Hz and 72/75Hz up to SXGA
  - HDTV: 1080i/50/60Hz, 720p/50/60Hz
  - 1080sF/24/25Hz, 1080p/24/25/30Hz

#### AUDIO INPUTS AND OUTPUTS:

Optional, see Inputs/outputs of the NatiX

#### USER CONTROLS:

- 4 lines VFD screen with intuitive menu for complete in/out set up and image control
- High quality buttons for direct access to:  
Input selection, effects, take, freeze, Main & Preview, logos, PIP and image positioning

#### LOGOS & FRAME STORES:

- 8 logos & 6 frame stores
- 16 million colors
- Non-volatile memory
- Flash capture of Video or Computer sources
- 256 step keying threshold control
- Adjustable H&V logo position
- 2 logos allocated per input

#### EFFECTS:

- Cut, PIP, fade, title, wipe, large choice of animated transitions, double PIP
- Embedded edge blending for 2 video-projectors

#### INPUT CONNECTORS:

- Input 1 to 4: on 5 x BNC
- Input 5 to 8: on HD 15F
- 2 x BNC for SDI
- 1 x DVI-I

#### OUTPUT CONNECTORS:

- Main / Out 1: 2 x HD15F, 1 x BNC, 1 x DVI-I
- Preview / Out 2: 2 x HD15F, 1 x BNC, 1 x DVI-I

#### OTHERS:

- DB9F serial com port for RS232 remote control, updates and Tally
- RJ45 for TCP/IP

#### POWER SUPPLY:

Internal, universal, automatic, 100-250 VAC;  
50/60 Hz (130W) (UL, CSA, GS, CE)  
On/Off main switch

#### SUPPLIED WITH:

- 1 x AC power cable
- 1 x Remote control software
- 1 x User manual

#### DIMENSIONS:

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

**WEIGHT:** 8 kg (17.6 lbs) no options

**WARRANTY:** 3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

**Di-VentiX™** by **Analog Way** is a **Full Digital Computer and Video Up/Down Mixer Scaler Switcher**. In addition to numerous effects such as fade, wipes, moving PIP and a true **8x2 scaled Matrix**, **Di-VentiX** also includes a stand alone Soft Edge function on to 2 projectors.

**Stand alone Edge Blending Mode:** In Edge Blending mode, **Di-VentiX** can drive 2 video-projectors for horizontal or vertical Soft Edge. Used as an 8 input switcher, **Di-VentiX** provides a double PIP image on a fixed background thanks to the 6 full frame images stored in its non volatile memory. The background image can be chosen among the 6 frames saved in the memory. The sources displayed in the PIPs can be switched.

**Mixer Mode:** **Di-VentiX** scales all sources and performs seamless switching transitions between any 2 inputs. The 2 Main outputs match the native resolution of any video-projector or Hi-Res. display device, and the Preview outputs allow to monitor the sequences before they are displayed on the main screens to avoid errors during a presentation.

- **PIP Effect:** High quality picture insertion from any input. The PIP can be sized and moved anywhere over the background image. Both background image and PIP can be fast & smoothly switched through a fade to black or customized color. Customizable borders are also available as well as different opening modes: cut, fade, sliding from one image edge.

- **FADE Effect:** between any input, Computer or Video with adjustable cross-fading duration.

- **TITLE Effect:** Over a Computer or a Video image. The title remains on the screen during the transition. The shadow title function, with adjustable vertical size and position as well as level of shadow, increases visibility on bright images.

- **CUT and WIPES:** Seamless switching between any 2 inputs and numerous horizontal and vertical wipe transitions.

**Native Matrix Mode:** **Di-VentiX** switches any of the 8 inputs to 1 of the 2 or both outputs. Inputs are scaled and can be displayed with different resolutions on output 1 and 2.

**Common Features in all modes:** Equipped with 2 SDI/HD-SDI and 1 DVI input and DVI and HD-SDI outputs, **Di-VentiX** is a full digital In/Out signal processor providing enhanced image quality. **Di-VentiX** features 3:2 and 2:2 pull down circuitry, auto-adaptative pixel by pixel 3D motion compensation, time base corrector and frame rate converter & follower. Each input image control can be individually set and stored in a non-volatile memory.

**Logo Insertion and Frame Stores:** Record 6 full screen images and 8 logos in 16 million colors in a non-volatile memory. Images and logo(s) can be flash captured from any Video or Computer source by keying or image cut-out. Up to 2 logos can be allocated per input and positioned anywhere on the screen.

**Audio Option:** This optional card features 8 balanced stereo inputs, 2 balanced stereo outputs (+ mono), 1 auxiliary input mixed (not switched) with the 8 inputs with settable levels and master volume.

**Multiple Screens:** **Di-VentiX** can be upgraded with **Cross Blender** for multiple edge blended screens.

**Di-VentiX** is specifically designed with a full control front panel for Hi-Res. A/V presentation displays, large events, and for the rental and installation markets. It offers a user-friendly interface and can be easily controlled & upgraded via its RS232, TCP/IP or by using the optional remote keypad.

### To control the Di-VentiX:

- **Remote Control Software** (supplied)
- **Axion:** High End event Remote Console
- **TripliX:** Event Remote Console
- **RK8022-T:** Keypad with or without T-bar



AXION



TripliX



RK8022-T

#### Download

at [www.analogway.com](http://www.analogway.com):

- product spec sheets in pdf
- latest product upgrades
- latest control software

#### REFERENCES

- DVX8022: Di-VentiX™
- ARC100: Axion™\*
- TRC8022: TripliX™\*
- RK8022: Remote keypad\*
- RK8022-T: Remote keypad with T-Bar\*

\* sold separately

#### OPTIONS

- CBD-UP: Cross Blender™
- OPT-iX-A: 8+1 stereo audio inputs + 2 stereo outputs, Main and Pre-listen