Octo Vue FX™

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New!

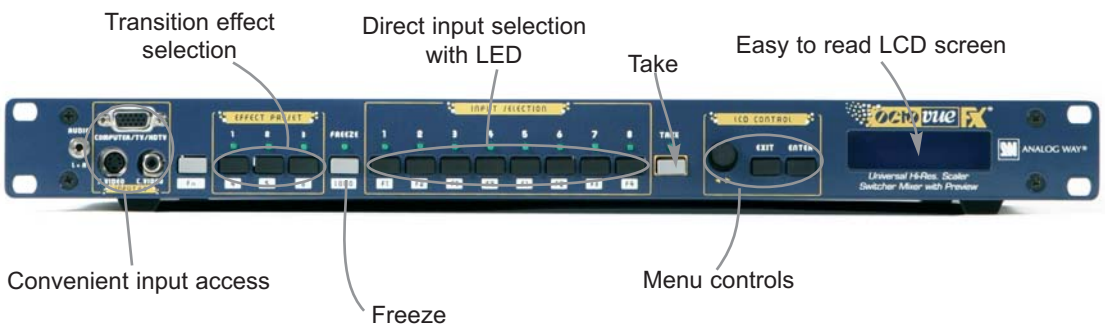
Model: OVX831

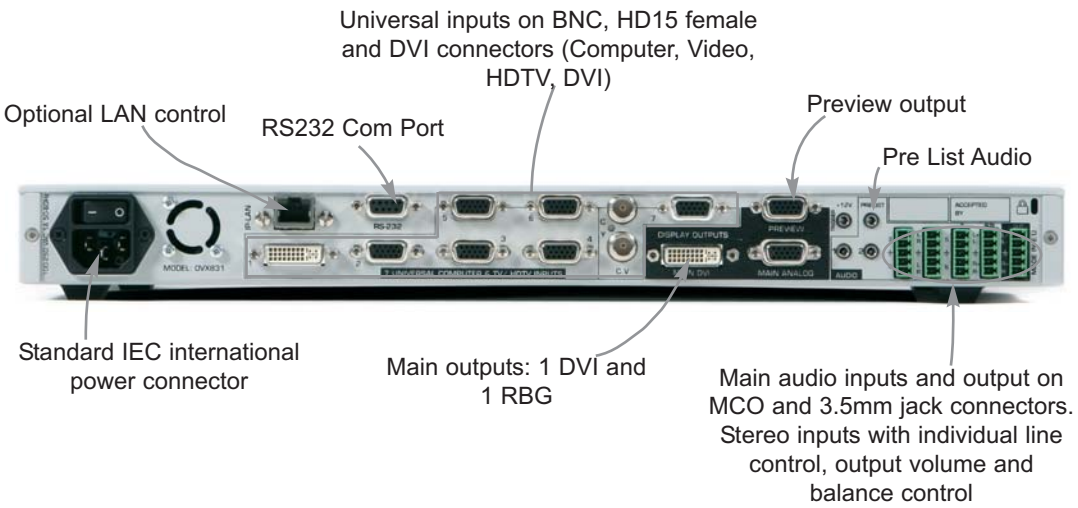
> HD Presentation A/V Seamless Switcher for Houses of Worship, Conference Room and Large Screen Projection

> Features Scaled Preview and Hi-Res Picture in Picture

> Analog & Digital In/Out up to 1080p

> Animated or Still Logo, Fade, Title, Cut and Frame Store





Inputs

- 8 Universal Inputs with 1 DVI,
- Computer and DVI up to UXGA / 1080p
- Video: NTSC/ PAL/SECAM, S.Video, YUV, RGB, HDTV
- 8 + 1 Audio Stereo with level adjustment for each input

Outputs

- Main: 1 DVI + 2 RGB up to UXGA / 1080p
- Preview: XGA RGBHV
- Audio Stereo Main and Pre-List with level adjustment

Effects

- PIP, Fade, Title, Seamless Cut, Clean Cut
- Ultra fast and smooth switching
- Logo inserter: 1 animated or up to 8 still logos
- 4 full frame stores in non-volatile memory

TECHNICAL SPECIFICATIONS

8 UNIVERSAL INPUTS:
- **Composite Video**
  NTSC = 15.735 kHz/60 Hz
  PAL/SECAM = 15.625 kHz/50Hz
- **S.Video (Y/C)**
  NTSC = 15.735 kHz/60 Hz
  PAL/SECAM = 15.625 kHz/50Hz
- **Component (YUV)**
  15.625 kHz/50 Hz – 625L
  15.735 kHz/60 Hz – 525L
- **RGB/S** (TTL or 0.3V Analog), RGsB (SOG: 0.3V Analog), 15.625 kHz/50 Hz - 625L, 15.735 kHz/ 60 Hz - 525L
- **HDTV**: Component (HD YUV 2/3 Level Sync.) 1080i/60-50Hz, 1080p, 720p/60-50Hz, 480p/60Hz
- **Computer** (RGB HV, RGB/S and RGsB): PC, Mac, Workstation. Automatic Sync. & centering. Resolution from 640x480 to 1600x1200 (up to 110kHz)
- **DVI**: Digital computer up to 1600x1200 RB/60Hz and 1920x1080/60Hz (Fpx: 165MHz max)

AUDIO INPUTS:
8 + 1 Stereo Inputs
- 2 balanced audio inputs
- 7 unbalanced audio inputs
- Vi = + 18 dBu max
- Zi = 20 kOhms unbalanced
- Zi = 40 kOhms balanced
- Gain: adjustable

MAIN DISPLAY OUTPUT:
- 2 x Buffered RGB HV, RGB/S or RGsB selectable (H&V separated, Sync. Composite or SOG), RGB= 0.7Vp/p (75 Ohms load)
- 1 x DVI-D
- Resolution: 4/3 & 5/4 = VGA, SVGA, XGA, SXGA, SXGA+, UXGA, 16/9 & 16/10 = WVGA, WSVGA, WXGA, WSXGA, WSXGA+, 1080p
- Rate: Internal 50, 60, 72[1] & 75[1]Hz and Follow

[1] Not available for all resolutions

PREVIEW DISPLAY OUTPUT:
1 x RGB HV separated Sync - RGB = 0.7V p/p (75 Ohms load), resolution: XGA,
Rate: Internal 60Hz

MAIN AUDIO OUTPUT:
Stereo output (balanced & unbalanced)
Vo = + 18 dBu max - Zo = 300 Ohms (unbalanced)
Vo = + 24 dBu max - Zo = 600 Ohms (balanced)
G = 0dB nominal, with volume

PRELIST AUDIO OUTPUT:
Stereo output unbalanced
Vo = + 18 dBu max
Zo = 300 Ohms
G = 0dB nominal, with master volume

USER CONTROLS and CONNECTORS:
FRONT PANEL:
User controls:
- Selection of inputs 1 to 8 and Frame memory,
- Programmable effect keys
- Freeze/Logo On Off, Take
- LCD window & control buttons for menu: Test patterns, proc. image adjust., input format selection, output format display, output format & sync., audio input level and output, volume adjustments, position & size adjustments, front panel control lockout

Input Connectors:
- Input #8: Video - RCA, Mini DIN 4 and HD15F Audio - Jack Stereo 3.5

BACK PANEL:
Input Connectors:
- Input #1: DVI-I
- Inputs #2 to #6: HD 15F
- Input #7: HD 15F + 2 BNC
- Audio inputs 1 to 5: on 5-pin screw terminal
- Audio inputs 6 to 8: on 3.5 jack stereo

Output Connectors:
- Main Video: DVI-I + HD 15F
- Preview Video: HD 15F
- Main Audio: 5-pin screw terminal
- Prelist Audio: Jack Stereo 3.5

Others:
- 1 x DB9F with 2 RS232 ports
- 1 x Jack 3.5 : +12Vdc trigger
- Optional Ethernet Port 10/100BT: RJ45

POWER SUPPLY:
Internal, universal, automatic, 100-250 VAC; 50/60 Hz (50 W) (UL, CSA, GS, CE), ON/OFF AC Main Switch

DIMENSIONS: 19", 1U Compatible
D 10.4" x W 19" x H 1.74"
D 265 mm x W 482 mm x H 44 mm

WEIGHT: 3.5 kg (7.7 lbs)

OCTO Vue FX™ by **Analog Way** is a **High Resolution Digital and Analog Computer & Video Up/Down Scaler Switcher**. In addition, **OVX 831** offers a true scaled preview and many effects including High Resolution PIP in Computer & Video formats.

It features many other effects: fading & titling, Hi-Res. logo insertion and frame store. It is fitted with 8 Universal A/V inputs including one DVI, and 4 outputs: 2 Analog and 1 DVI for the Main; 1 Analog for the Preview. It performs an ultra fast and smooth transition between any Video or Computer sources. It also allows a true seamless switching between one computer Input (direct) and any other Video or Computer Input.

REFERENCES
> **OVX831**: **OCTO-VUE FX™** with RS232 com port

- **RKD500-T***: Remote control keypad with T-Bar
- **RKD500***: Remote control keypad

* sold separately

OPTION
- **OPT-LAN**: Optional TCP/IP Control Interface

Preview: **OVX 831** is fitted with a true scaled Preview out offering the facility to visualize any source before displaying it on the Main output. Preview out ensures easy and safe presentations since any Video or Computer source can be checked on a simple LCD screen before being displayed to the audience.

PIP: **OVX 831** creates High quality picture insertion from any input. The PIP can be sized and moved anywhere over the background image. Background image can be switched between one Computer source and Frame. The PIP source can be fast & smoothly switched through a fade to black or customized color. The PIP opening offers a choice between Cut and Fade.

Title Effect: **OVX 831** can mix a Computer source with a Title with any Video or Computer source. The title remains on the screen during the transition. **OVX 831** also features a shadow title effect with settable vertical size and position that enhances the readability of the titling text over very bright images.

Fade Effect: **OVX 831** features cross-fade effects between Computer and Video (TV/HDTV) or Computer sources, with adjustment of the cross-fading duration.

Logos and Frames: **OVX 831** can store in its non volatile memory 8 Still or 1 Animated Logos and 4 Full Frame Images in true Hi-Res. 16 million colors. Recording is done either by direct acquisition from Input source or from Computer download of image files. Up to 2 Logos can be assigned to each input to be displayed at any position on the output screen. Logos can have any shape due to the keying capability, and transparency is user adjusted. Full Frames can be used as welcome or transition image or PIP Background.

OVX 831 is a **High Performance, State of the Art, Up/Down Video and Computer Scaler**. Ready to fit the native resolution of the latest HD display devices, it provides a superior image thanks to its high quality digital decoder, improved 3:2 and 2:2 pull down circuitry, auto-adaptative pixel by pixel 3D motion compensation, time base corrector, frame rate converter & follower.

Easy to use, **OVX 831** offers Auto Setup function, Auto Clock and Phase for Computers. Each input image control - brightness, contrast, color, hue, processing,aspect ratio, zoom, etc … - can be individually set and stored in nonvolatile memories. Each of the 8 Inputs is fitted with a stereo audio line. The audio can either follow or break away from the Video image. One additional stereo audio input is provided to be mixed with the Video audio input lines. **OVX 831** is fitted with a Dual RS232 Com port for Integral remote control and automatic control of other devices in the installation. Field upgradable firmware maintains the high value of your equipment. Upgrades are available on the **Analog Way** web site. An optional TCP/IP connection allows for remote control and/or upgrade.

This ultra compact and user friendly device is especially designed for high resolution A/V presentation displays, Houses of Worship, conference and boardrooms, and events.

To control the Octo Vue FX:
- **RKD500-T:** Remote control keypad with T-Bar
- **RKD500:** Remote control keypad
- **Axion:** High end event controller

RKD500-T

SUPPLIED WITH:
- 1 x Power cable
- 1 x Set of 3 audio 5-pin screw terminal
- 1 x Remote control software
- 1 x User Manual

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

Specifications subject to change without prior notice

Cables for the Octo Vue FX
- **S.Video Cables** from 1.8m/6ft to 20m/66ft **- Refs** 10009 - 10093 - 10094 - 10095
- **S. Video to BNC Cables** of 1.8m/6ft and 5m/16ft **- Refs** 10102 - 10103
- **RCA Cable** of 1.2m/4ft **- Ref.** 10010
- **RCA / BNC Adapter Cables - Ref.** 10011
- **Jack Stereo Cable** of 1.2m/4ft **- Ref.** 10012
- **Audio Stereo Cable** of 1.2m/4ft **- Ref.** 10013
- **VGA Cables** from 0.4m/1ft to 1.8m/6ft **- Refs** 10014 - 10015 - 10077
- **VGA/BNC adapter Cables** of 1.8m/6ft and 3m/10ft (M/M and F/M) **- Refs** 10023 - 10024 - 10025 - 10026
- **Remote Cables** from 0.5m/1ft to 30m/100ft **- Refs** 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- **Call us for long distance Copper DVI Cables from 1.8m/2ft to 70m/230ft**

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