

Tetra-VIO

Ref. TVC401

The Universal A/V Computer and HD Solution in Image Cross Conversion with Digital Audio De/Embedder



Features



TVC401 at a glance

- > The «All in One» Solution for any conversion
- > Easy-to-use menus
- > Provides Audio/Stereo switching following the video input
- > Flexible Switching Capability
- > High Performance Scaling and Video Processing

Inputs

- 3 Universal Inputs + 1 SD/HD-SDI
- Converts Virtually any High Resolution up to 2K, TV and HDTV Signals, Analog or Digital (Input/Output)
- Computer: RGB, DVI up to 1600x1200 & 2048x1080
- NTSC, PAL, SECAM, S.Video, RGB, YUV
- HDTV (HD-YUV, HD-RGB)
- SD/HD-SDI
- Universal connector Interface & Loop through on each input

Outputs

- Computer: RGB, DVI up to WUXGA & 2K
- NTSC, PAL, Composite, S. Video, RGB, YUV
- HDTV (HD-YUV, HD-RGB)
- SD/HD-SDI

Reference

- > TVC401: Tetra-VIO

Effects & Features

- **Stereo Audio:**
 - 4 inputs with level trim/1 output
 - Embedded Audio Digital & SPDIF
- **Genlock:**
 - Multi-format Analog Genlock
 - Black Burst PAL, NTSC
 - Analog HD Black
- **Effects:**
 - 2 still logos with transparency configuration recorded by acquisition or transfer
 - Zoom up to 1000%
 - The image can be positioned up to 100% anywhere off the screen, vertically, horizontally and outside the screen
 - Image size adjustable to fit any LED wall/tiles

- 8 Preset memories
- 1 Full Frame or 2 logos
- Cross hatch dynamic Pattern
- Control RGB Tiles Pattern
- LED Wall Specific Menu

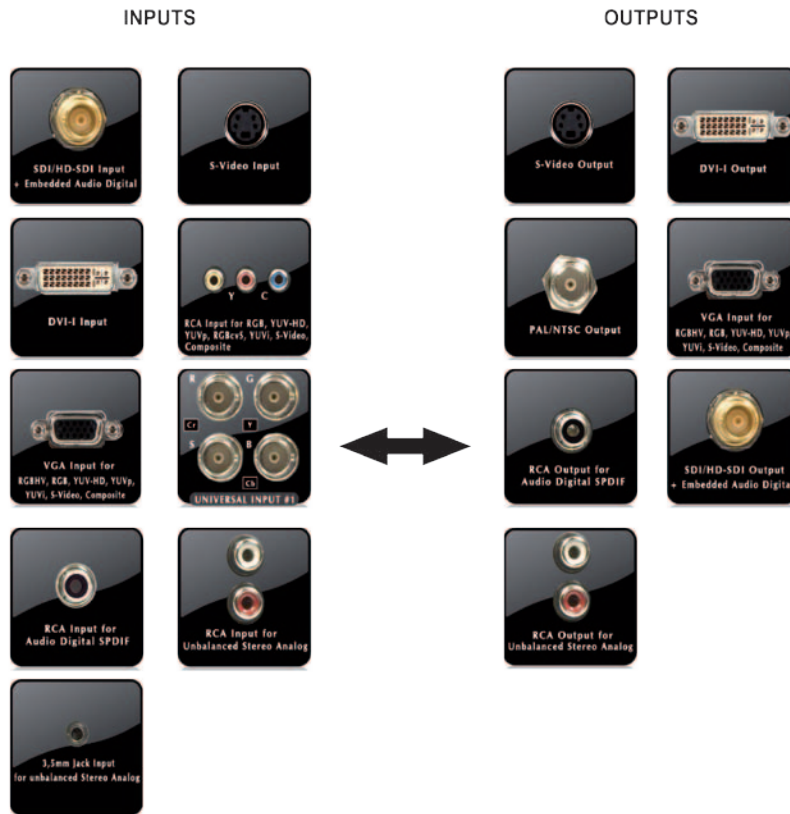
Option

- > OPT-LAN: TCP/IP Control Interface



ANALOG WAY
Pioneer in Analog, Leader in Digital

The «All in One» Selection for any conversion.



Technical Specifications

4 AV Inputs: 3 Universal and 1 SD/HD-SDI

• Input #1, 2 & Aux.

- HD-YUV: HD-YCrCb - 0.7Vp/p + Sync. 3 level 75 Ohms or YCrCb; RGsB, RGBS: 0.7Vp/p + Sync. 0.3V - 75 Ohms
- S.Video: YC - 0.7Vp/p + Sync. 0.3V - 75 ohms
- NTSC/PAL: Composite Video - 0.7Vp/p + Sync. 0.3V - 75 Ohms
- Computer: RGBHV, RGBS and RGsB (PC, Mac, Wkst) (130kHz max)
- DVI Digital Fpx MAX=165MHz TMD5 100 Ohms (input #2 only)
- Audio: unbalanced stereo, 44kOhms/+18dBu max, adjustable level trim per input
- Digital Audio SPDIF (fs 48kHz@20/24 bits)

• Input #3

- HD-SDI YUV 4:2:2 - 10 bits - 1.5 Gb/s - or SDI 270 Mb/s - 75 Ohms

Outputs

- **HD-SDI YUV** 4:2:2 - 10 bits - 1.5 Gb/s - or SDI 270 Mb/s - 75 Ohms with embedded audio (fs=48kHz@20/24 bit)
- **HD-YUV:** HD-YCrCb - 0.7Vp/p + Sync. 3 level - 75 Ohms or YCrCb; RGsB, RGBS: 0.7Vp/p + Sync. 0.3V - 75 Ohms
- **S.Video:** YC - 0.7Vp/p + Sync. 0.3V - 75 ohms
- **NTSC/PAL:** Composite Video - 0.7Vp/p + Sync. 0.3V - 75 Ohms
- **RGBHV, RGBS, RGsB** (0.7Vp/p-75ohms + Sync TTL or Analog)
- **DVI:** Digital FpxMAX=165MHz
- Stereo audio analog: Vo=+18dBu, Zo=300 Ohms - G= - to + 6dB Master Level
- Digital Audio SPDIF (fs 48kHz@20/24 bits)

Genlock

- Black Burst Pal or NTSC: 1 Vp/p
- HD Black - 3 Level sync

User Control and Connectors

FRONT PANEL

- Direct access to input selection, image freeze, auto centering,
- image processing
- Intuitive LCD display menu for easy set up
- Fluorescent display for enhanced viewability
- Aux. Input Connectors:
 - 2 x mini-DIN 4 for S.Video In and loop through
 - 6 x RCA for TV/HDTV In and loop through
 - 2 x HD15F for PC/TV/HDTV In and loop through
 - 2 x RCA for stereo audio in

REAR PANEL

- **Input 1 Connectors:**
 - 1 x HD15 for Computer/TV/HDTV In
 - 4 x BNC for TV/HDTV In
 - 1 x HD15 for loop through
 - 2 x RCA (stereo audio in)
- **Input 2 Connectors:**
 - 1 x DVI-I for digital and analog Computer/TV/HDTV
 - 1 x DVI-I for loop through
 - 3.5mm jack for stereo audio in
- **Input 3 Connectors:**
 - 1 x BNC for SDI/HD-SDI
 - 1 x BNC for loop through
 - 3.5mm jack for stereo audio in
- **Output Connectors:**
 - 1 x HD15
 - 1 x BNC (PAL/NTSC)
 - 1 x BNC (SDI/HD-SDI)
 - 1 x 4 pin mini DIN

- 1 x DVI-I digital and analog
- 2 x RCA (stereo audio)
- **Other:**
 - 1 x BNC for Genlock input
 - 1 x BNC for Genlock output loop
 - 1 x DB9 for RS232 control and upgrade
 - 1 x RJ45 for TCP/IP, optional
 - 2 x RCA for Digital Audio In & Out

Power Supply

- Internal, universal, automatic, 100-250 VAC; 50/60 Hz (40 W) (UL, CSA, GS, CE) ON/OFF AC Main switch

Supplied with

- 1 x Power supply cord
- 1 x HD15 to 5BNC adaptor cable
- 1 x DVI-I/HD15 adaptor
- 1 x Remote Control Software (RCS) (PC Only)*
- 1 x User Manual*

Dimensions:

- 19", 1U
- D 10.4" x W 19" x H 1.74"
- D 265 mm x W 482 mm x H 44 mm

Weight:

- 3.8 kg/8.4 lbs

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 available on www.analogway.com