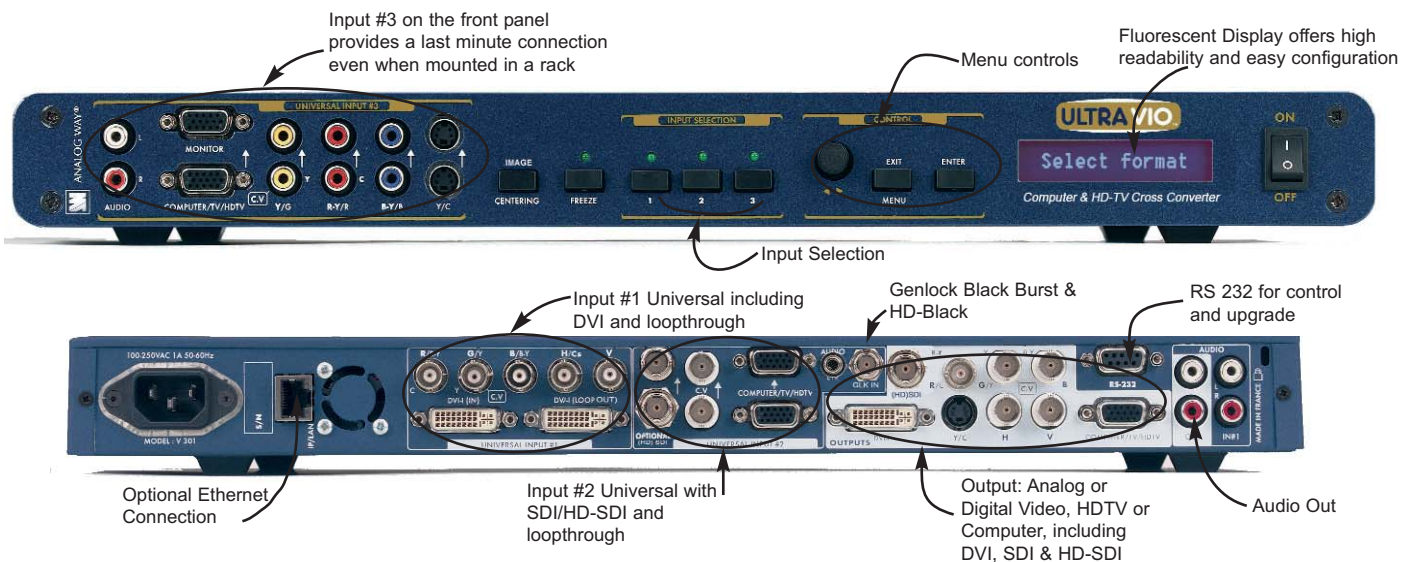


Ultra-VIO™

Ultra-VIO

ref. VU 301 - IOD1

- > The Anything In / Anything Out Solution
- > Cross Conversion of Virtually any Computer and Video Signals, Analog or Digital (Input/Output)
- > Highly Flexible, Essential in Complex Installations and Rental Environments
- > The Solution in Solving any Last Minute Issues
- > Genlock in SDTV and HDTV



• 3 Universal A/V inputs

- Computer: RGB, DVI up to 1600x1200
- NTSC, PAL, SECAM, S.Video, RGB, YUV
- HDTV (HDYUV)
- SDI / HD-SDI 10 bits
- Universal connector interface
- Loopthrough on each input

• Stereo Audio

3 inputs / 1 output each with trim level

• Genlock

- Black Burst PAL, NTSC
- Analog HD Black

• Universal output

- Computer: RGB, DVI up to SXGA+
- NTSC, PAL, Composite, S. Video, RGB, YUV
- HDTV (HDYUV)
- SDI, HDSDI 10 bits



UP / DOWN CONVERTERS

ULTRA VIO

TECHNICAL SPECIFICATIONS

3 UNIVERSAL INPUTS

- **SDTV:** Composite, S.Video, RGBS, YUV, SDI
 - NTSC: 15.735 kHz/60 Hz,
 - PAL/SECAM: 15.625 kHz/50Hz
- **TVHD:** HDYUV (3 level sync, 3 wires), HDSDI, 1080i/60Hz, 1080i/50Hz, 720p/60Hz, 480p/60Hz
- **SDI & HDSDI:** input 2, 4:2:2, 10 bits
- **Computer:** RGBHV, RGBS and RGsB (PC, Mac, Wkst), auto centering, auto phase, auto sync., from 640x480 to 1600x1200 (130kHz max)
- **DVI** on input 1
- **Audio:** unbalanced stereo, 44Ohms/+18dBu max, adjustable trim level per input

GENLOCK

- Black Burst Pal or NTSC: 1 Vpp
- HD Black - 3 Level Sync.
- Phase adjustments

OUTPUT

- **SDTV:** Composite, S.Video, YUV, RGsB, RGBS, SDI
 - NTSC: 15.735kHz/60Hz,
 - PAL: 15.625kHz/50Hz
- **HDYUV:** 1080i/50-60Hz, 720p/60-50Hz, 480p/60-50Hz
- **SDI & HD DVI** 10 bits 4.2.2
- **Computer:** RGBHV, RGBS (TTL or 0.3 analog), RGsB, DVI, from 640x480 to 1400x1050
- **Stereo audio:** Vo=+18dBu, Zo=300 Ohms G= -∞ to +6dB Master Level

USER CONTROLS

- Direct access to input selection, image freeze, auto centering, image processing
- Intuitive LCD menu for easy set up

CONNECTORS

FRONT PANEL

INPUT 3:

- 2 mini DIN4 for S.Video In and loophrough
- 6 RCA for TV In and loophrough
- 2 HD15F for PC/TV/TVHD in and loophrough
- 2 RCA for stereo audio

REAR PANEL

INPUT 1:

- 2 DVI-I and 5 BNC for digital and analog PC/TV/HDTV and loophrough
- 2 RCA (stereo audio)

INPUT 2:

- 2 mini DIN 4 for S.Video and loophrough
- 2 HD15 for PC/TV/HDTV and loophrough
- 2 BNC for SDI/HDSDI
- 3.5mm jack for stereo audio

OUTPUT:

- 1 HD15
- 5 BNC
- 1 BNC (SDI/HD-SDI)
- 1 mini DIN 4 pin
- 1 DVI-I digital and analog
- 2 RCA (stereo audio)

OTHER:

- 1 BNG: Genlock
- 1 DB9 for RS232 control and upgrade
- RJ45 for TCP/IP, optional

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

- D300 mm x W450 mm x H44 mm
- D11.8" x W18" x H1.74"

WEIGHT: 3,8 kg (8.4 Lbs)

SUPPLIED WITH

- 1 x DVI-I/HD15 adaptor
- 1 x HD15/HD15 cable
- 1 x 5BNC/5BNC cable
- 1 x Y/C cable
- 1 x power cable
- 1 x remote control software
- 1 x rack mount kit
- 1 x user manual

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

Specifications subject to change without notice

Download
at www.analogway.com:

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

ULTRA-VIO by **Analog Way** is a **multi-purpose Switcher / Converter / Interface** with 3 universal inputs. It accepts a large range of formats, from computer to video and HDTV, in analog or digital format, and provides a large range of connectors: BNC, HD15, DVI, mini DIN4, Cinch, RCA. The output provides the same diversity of formats, and the same type of signals and connectors.

3 UNIVERSAL INPUTS

Each input features an active loophrough (monitoring) for easy control of the sources and accepts the following TV formats: NTSC/PAL/SECAM, S.Video, RGB or YUV, HDTV in HDYUV, 10 bit SDI & HDSDI (on input 2) and computer formats: RGB up to UXGA, and DVI (on Input 1).

GENLOCK

Equipped with an analog genlock input, the **ULTRA-VIO** offers a choice between SDTV Black Burst or Black HD-YUV. It allows genlocking of HDTV output signal on an SDTV Black Burst.

OUTPUT

ULTRA-VIO generates various output formats: PAL, NTSC, Y/C, YUV, SDI, HDYUV, HD SDI or computer, analog RGB or digital DVI. More than a powerful multi-format converter, **ULTRA-VIO** is also a smooth and fast switcher. **ULTRA-VIO** is a universal device with four functions in one: Scan Converter, Scaler, Standard Converter with TBC and Interface. **ULTRA-VIO** offers a high quality image thanks to its automatic 3:2 and 2:2 pull down circuitry, auto adaptative motion compensation, auto centering, time base corrector, frame rate converter and follower and multi-level anti-flicker. The configurable adjustments are recorded in a non volatile memory.

ULTRA-VIO is a highly flexible device which is essential in complex installations. It is extremely useful in solving any last minute issues.

ULTRA-VIO is your "all in one" versatile input/output tool.

REFERENCE

VU 301 - IOD1: ULTRA-VIO

OPTIONS

- **OPT-LAN:** TCP/IP Control Interface
- **OPT-RMK1:** Rack Mount Kit

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