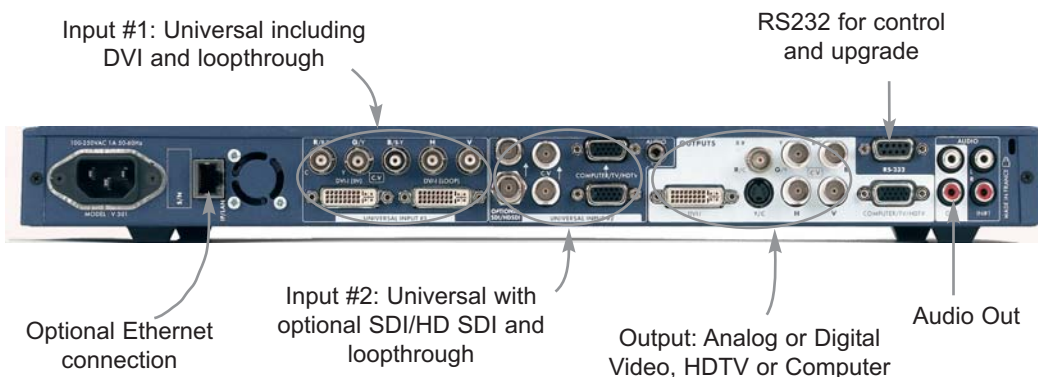
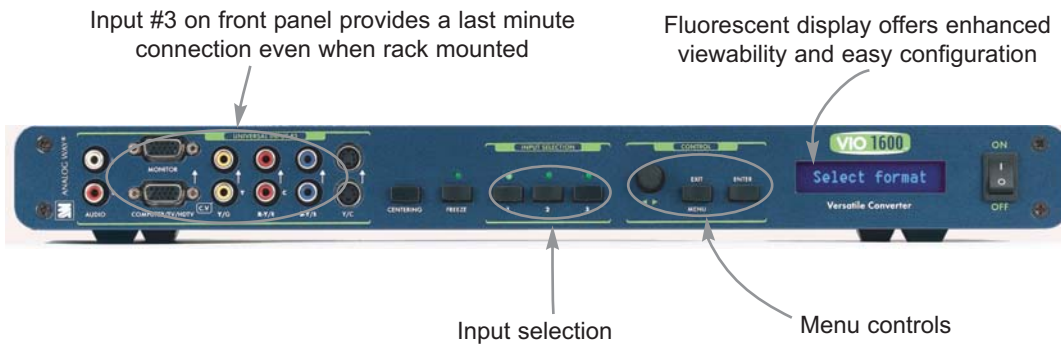


# VIO 1600™

## VIO 1600

Ref. V301

- > The All in One Versatile Input/Output Converter Tool
- > Cross Conversion of any Computer and Video Signals
- > Highly Flexible, Essential in Complex Installations
- > The Solution in Solving any Last Minute Issues



- **3 Universal A/V Inputs**
  - Computer: RGB, DVI up to 1600x1200
  - NTSC, PAL, SECAM, S.Video, RGB, YUV
  - HDTV (HD-YUV)
  - SDI / HD-SDI 10 bits (optional)
  - Universal connectors Interface
  - Loopthrough on each input

- **Universal Output**
  - Computer: RGB, DVI up to SXGA+
  - Composite, S. Video, RGB, YUV
  - HDTV (HD-YUV)

- **Stereo Audio**
  - 3 inputs / 1 output with each level trim



ANALOG WAY®

www.analogway.com

P/N: V301/B0606-VA

# UP / DOWN CONVERTERS

## ULTRA VIO

**Download**  
at [www.analogway.com](http://www.analogway.com):  
- product spec sheets in pdf  
- latest product upgrades  
- latest control software

### TECHNICAL SPECIFICATIONS

#### 3 UNIVERSAL INPUTS

- **SDTV:** Composite, S.Video, RGBS  
NTSC= 15.735 kHz/60 Hz  
PAL/SECAM= 15.625 kHz/50Hz
- **TVHD:** HDYUV (3 level sync, 3 wires)  
1080i/60Hz, 1080i/50Hz, 720p/60Hz,  
480p/60Hz
- **SDI & HD-SDI** on V301-D1 model only,  
input 2, YUV - 4:2:2
- **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, 44k Ohms/  
+18dBu max, adjustable trim level per input

#### OUTPUT

- **SDTV:** Composite, S.Video, YUV, RGSB,  
RGBS  
NTSC: 15.735kHz/60Hz  
PAL: 15.625kHz/50Hz, 1080i / 60-50Hz
- **HD-YUV** 720p/60-50Hz, 480p/60-50Hz
- **Computer:** RGBHV, RGBS (TTL or 0,3  
Analog), RGSB,  
**DVI**, from 640x480 to 1600x1200
- Stereo audio: Vo=+18dBu, Zo=300 Ohms  
G= - to + 6dB Master level

#### USER CONTROLS AND CONNECTORS:

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

#### FRONT PANEL CONNECTORS:

- Input 3:**
  - 2 mini DIN 4 for S.Video in and loopthrough
  - 6 RCA for TV in and loopthrough
  - 2 HD15F for PC/TV/TVHD in and loopthrough
  - 2 RCA for stereo audio

#### REAR PANEL

- Input 1:**
  - 2 DVI-I and 5 BNC for digital and analog  
PC/TV/HDTV and loopthrough
  - 2 RCA (stereo audio)

#### Input 2:

- 2 mini DIN 4 for S.Video in and loopthrough
- 2 HD15 for PC/TV/HDTV and loopthrough
- optional 2 BNC for SDI/HD-SDI
- 3.5mm jack for stereo audio

#### Output:

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

#### Others:

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

#### 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

**VIO 1600™** 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 a large range of connectors: BNC, HD15, DVI, mini DIN4, Cinch, RCA. The output provides the same diversity of formats, type of signals and connectors.

### 3 UNIVERSAL INPUTS

Each input features an active loopthrough (monitoring) for easy control of the sources and accepts the following TV formats: NTSC/PAL/SECAM, S.Video, RGB or YUV, HDTV in HD-YUV and Computer formats: RGB up to UXGA. Input 1 also accepts DVI-I. A 10 bit SDI / HD-SDI input is available on input 2 of **VIO 1600-D1**.

### OUTPUT

**VIO 1600** generates various output formats: PAL, NTSC, Y/C, YUV, HD-YUV or Computer, Analog RGB or Digital DVI. More than a powerful multi-format converter, **VIO 1600** is also a smooth and fast Switcher.

**VIO 1600** is a universal device with five functions in one: Scan Converter, Scaler, Standard Converter with TBC, Switcher and Interface.

**VIO 1600** offers high quality image thanks to its automatic 3:2 and 2:2 pull down circuitry, auto adaptive per pixel level 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.

**VIO 1600** is a highly flexible device which is essential in complex installations. It is useful to solve any last minute issues.

**VIO 1600** is your "all in one" Versatile Input/Output tool.

### REFERENCES

- **V301:** VIO 1600™
- **V301-ID1:** VIO 1600™ with 10 bits  
HD/SD-SDI input

### OPTIONS

- **OPT-LAN:** TCP/IP Control Interface
- **OPT-RMK1:** Rack mount kit

### ANALOG WAY

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