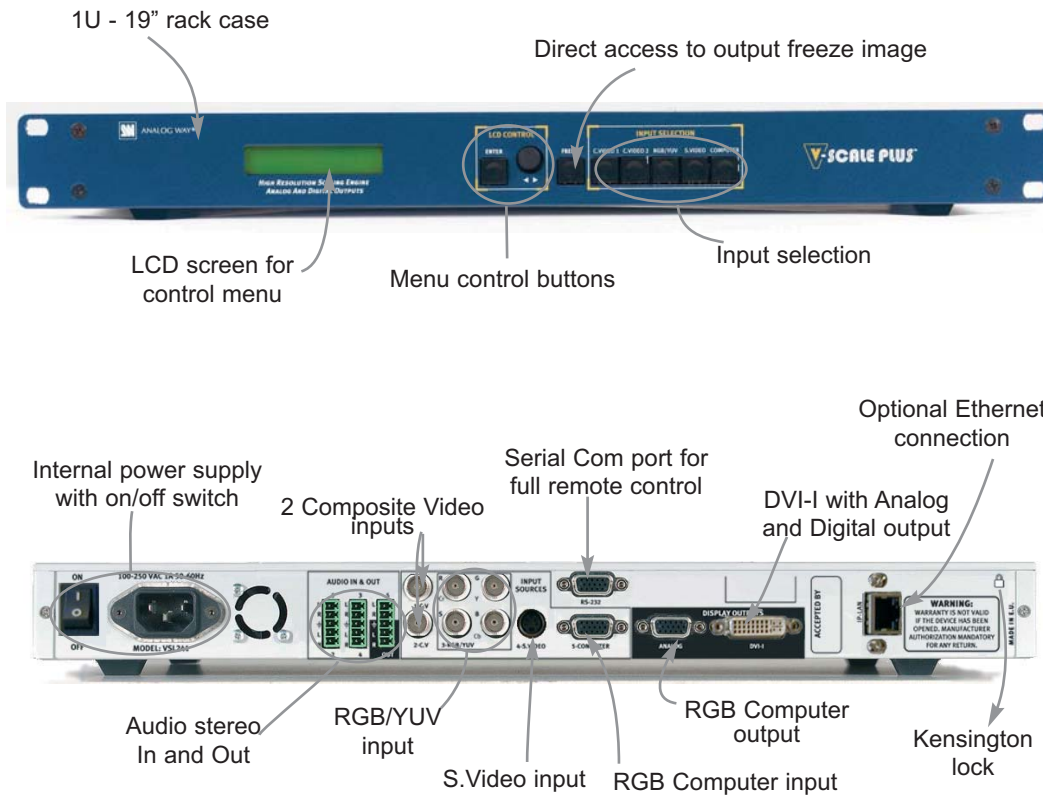


# V-Scale Plus™

Ref. VSL241

- > Video to High Resolution A/V Scaler
- > For Very High Quality Presentations, Home Theater, Video Walls, etc...
- > DVI Output for LCD, DLP and Plasmas
- > Frame Memory for Alert Message



## FEATURES

- Inputs: Component, Composite, S.Video, RGB, Computer
- DVI and RGB outputs up to SXGA+, UXGA
- Auto switch, Computer or Video input
- Aspect Ratio preserved
- Frame Rate Converter and Follower & ARC
- Auto 3:2/2:2 Pull Down
- Audio stereo Switcher
- RS232 Com Port
- Remote control software
- Freeze button
- Frame alert memory
- Optional TCP/IP control
- 19" rack case



ANALOG WAY®

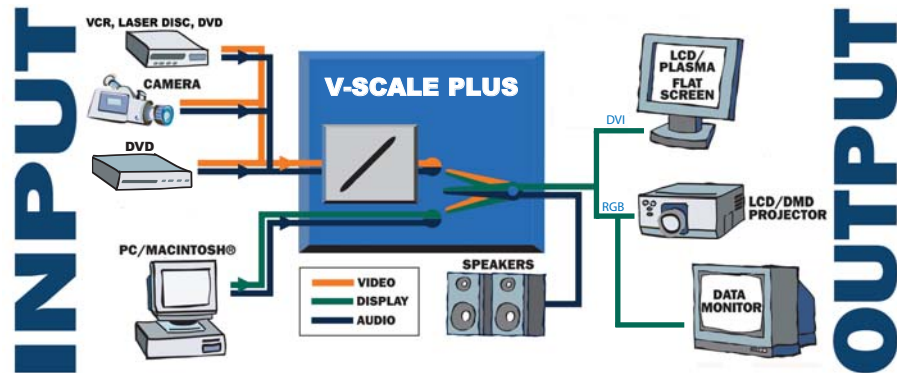
[www.analogway.com](http://www.analogway.com)

P/N : VSL241:D0506-VA

# SCALERS

## V-SCALE PLUS

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



### TECHNICAL SPECIFICATIONS

#### VIDEO INPUTS:

- **2 x Composite Video**  
 SC $\emptyset$  = 3.58 MHz / 4.43 MHz  
 NTSC / PAL / SECAM
- **1 x S.Video (Y/C)**  
 PAL = 15.625 kHz / 50 Hz  
 NTSC = 15.735 kHz / 60 Hz
- **1 x Component or RGB/S or RGsB**  
 625L / 525L, 50/60 Hz  
 RGB /YUV (0.7 Vp/p)  
 Sync (TTL or 0.3V Analog)  
 RGsB (SOG: 0.3V Analog)
- **Audio Stereo Input**

#### COMPUTER INPUT (Active Loophthrough)

- **1 x Computer** (PC, Mac, Wkst) or external source (RGBHV, RGB/S)
- Resolution from 640 x 480 up to 1600 x 1200

#### DISPLAY OUTPUT:

- **For Video Input:**
  - 2 x RGBHV, RGsB or RGsB selectable (buffered H & V separate Sync. or Composite sync.)
  - RGB = 0.7 Vp/p (75 Ohms load)
  - 1 x DVI-I: TMDS RGB Computer
  - Selectable output resolution:
    - 4/3: VGA: 640x480
    - SVGA: 800x600
    - XGA: 1024x768
    - SXGA: 1280x1024
    - SXGA+: 1400x1050
    - UXGA: 1600x1200
    - 16/9: WVGA: 852x480
    - 720p: 1280x720
    - 1280x768
    - WXGA: 1366x768 (D-ILA)
- **For Computer input:** from VGA to UXGA (24 kHz to 85 kHz), RGB HV/S Identical to the input (buffered loophthrough)
- **Audio stereo output**

#### USER CONTROLS AND CONNECTIONS:

##### FRONT PANEL

- **Input Selection** from Input 1 to 5
- **Freeze** button
- **LCD Window & control buttons for:**
  - Sharpness, brightness, contrast, color, hue,
  - Overscan/underscan
  - Aspect Ratio (Source & Screen)
  - Output format & Sync.
  - Horizontal and vertical position and size adjustments
  - Front panel control locking

##### REAR PANEL

- **Input Connectors:**
  - Composite 1: BNC connector
  - Composite 2: BNC connector
  - S.Video: Y/C Mini DIN connector
  - RGB/S & Component: 3/4 BNC connectors
  - Computer: HD15F connector
- **Output Connectors:**
  - RGB on HD15 and DVI-I
  - DVI Output: on DVI-I connector
  - Audio: MCO 5 pin connector
- **Others:**
  - RS-232: Remote control on DB9F connector
  - Audio: MCO 5 pin connector

- **ON/OFF:** power switch

#### POWER SUPPLY:

- Internal, Universal, and Automatic 100 - 250 VAC; 50 / 60Hz (20W) (UL, CSA, CE)

**DIMENSIONS:** 19", 1 unit compatible  
 D 10.43" x W 19" x H 1.74"  
 D 265 mm x W 482 mm x H 44 mm

**WEIGHT:** 3 kg / 6.6 lbs

#### SUPPLIED WITH:

- 1 x HD 15 M/M cable
- 1 x S. Video (Y/C) cable
- 1 x DVI M/M cable
- 1 x AC power cable
- 3 x MCO connectors
- 1 x Remote control software (CD)
- 1 x User manual

**WARRANTY:** 3 year warranty on parts & labor, back to the factory

Specifications subject to change without notice

**V-SCALE PLUS™** by Analog Way combines the functions of a **High Resolution Video Scaler** with an **Audio Video Switcher** with Audio Stereo. It is a state of the art **Scaler / Line Multiplier / Quadripler / Doubler** which significantly increases Video image resolution and brightness. A Computer input is also provided for direct display of your presentations or Internet applications.

**V-SCALE PLUS** is fitted with a BNC, RGB and YUV component input and a DVI output providing perfect connection with an LCD screen, a video projector or a plasma. **V-SCALE PLUS** offers a double Analog output on both HD15 and DVI-I connectors. Additionally, the **V-SCALE PLUS** can drive up to 3 displays simultaneously.

**V-SCALE PLUS** features a non-volatile frame memory that can be used as a "welcome " or an "alert" message. This frame can be acquired from any Video input or it can be downloaded from a computer via RS232 or optional IP connection.

The very high quality decoder of the **V-SCALE PLUS** includes an advanced comb filter, an emphasized "natural" color processing, a highly robust sync. detection and a new enhanced 3D (pixel by pixel basis) auto-adaptive de-interlacing scheme (for motion artifacts). With automatic correction of the "film to video" transfer (3/2 & 2/2 pull down), it provides a "cinema like" image.

Image parameters such as brightness, contrast, color, aspect ratio and sharpness can be easily adjusted by the user. These parameters are stored for each input. A preset command enables to go back to factory settings. **V-SCALE PLUS** also features an automatic or manual stand-by mode, activated on the front panel or with the RS232 control.

Black and white composite is also accepted (for industrial, security, camera applications, etc...) on **V-SCALE PLUS**. The input source aspect ratio 4/3, 16/9, widescreen can be selected as well as the size of the screen (4/3 - 16/9). The frame conversion & time base correction provides high end A/V Pro & Home Theater solutions.

#### REFERENCE

VSL 241: V-SCALE PLUS™

#### OPTION

OPT-LAN: IP/Ethernet Control

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