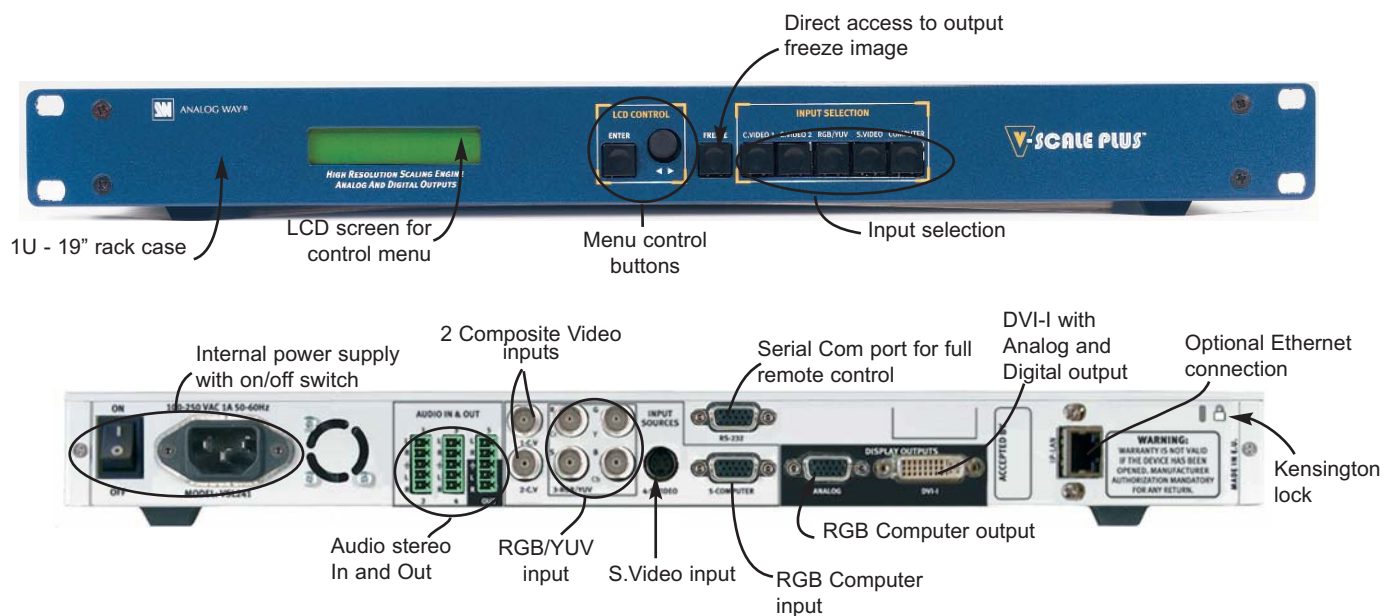


V-Scale Plus™

V-Scale Plus

ref. VSL 241

- > Video to High Resolution Scaler
- > For Very High Quality Presentations, Home Theater, Video Walls, etc...
- > DVI Output for LCD, DLP and Plasma screens
- > Frame Memory



FEATURES

- Inputs: Component, Composite, S.Video, RGB, Computer
- 15 KHz RGB and YUV Input
- DVI and RGB Outputs
- Dual Analog RGB Outputs
- Auto Switch, Computer or Video Input
- Aspect Ratio Converter
- Frame Rate Converter and Follower
- Auto 3:2/2:2 Pull Down
- Audio Stereo Switcher
- RS232 Control with Windows Compatible Software
- Full LCD Control with Intuitive Menu
- Freeze Button
- 19" Rack Case
- Frame Alert Memory
- Optional TCP/IP control



IMAGE CONVERSION - SCALER

V-SCALE PLUS

TECHNICAL SPECIFICATIONS

VIDEO INPUTS:

- 2 x Composite Video
SC \emptyset = 3.58 MHz / 4.43 MHz
PAL / SECAM = 15.625 kHz / 50 Hz
NTSC = 15.735 kHz / 60 Hz
Black & White: 15 kHz/50-60 Hz
- 1 x S.Video (Y/C)
SC \emptyset = 3.58 MHz / 4.43 MHz
PAL = 15.625 kHz / 50 Hz
NTSC = 15.735 kHz / 60 Hz
- 1 x Component or RGB/S or RGsB
15.625 kHz / 50 Hz - 625L
15.735 kHz / 60 Hz - 525L
RGB / YUV (0.7 Vp/p)
Sync (TTL or 0.3V Analog)
RGsB (SOG: 0.3V Analog)

COMPUTER INPUT (Active Loopthrough)

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

DISPLAY OUTPUT:

- 2x RGBHV, RGsB or RGB selectable (buffered H & V separate Sync. or Composite Sync.)
- RGB = 0.7 Vp/p (75 Ohms load)
- 1 x DVI-I: TMDS RGB Computer

VIDEO: selectable output resolution

- 4/3: SVGA: 800x600
XGA: 1024x768
SXGA: 1280x1024
SXGA+: 1400x1050
UXGA: 1600x1200
- 16/9: WVGA: 852x480
720p: 1280x720
WXGA: 1366x768 (D-ILA)

COMPUTER: from VGA to UXGA (24 kHz to 85 kHz), RGB or YUV identical to the input (buffered loopthrough)

USER CONTROLS, FRONT PANEL:

- Input Selection from Input 1 to 5
- FREEZE : Frame freeze button

LCD WINDOW & CONTROL BUTTONS FOR:

- Sharpness, brightness, contrast, color, tint, VCR and image filter, gamma adjustments
- Aspect Ratio (Source & Screen)
- Inputs and displayed output status
- Output format & Sync.
- Horizontal and vertical position and size adjustments
- Front panel control locking
- Aspect Ratio
- ON/OFF: power switch

CONNECTORS:

- Composite 1: BNC connector
- Composite 2: BNC connector
- S.Video 1: Y/C Mini DIN connector
- RGB/S & Component: 3/4 BNC connectors
- Computer: HD15F connector
- RS-232: Remote control on DB9F connector
- Audio: MCO 5 pts connector

OUTPUT:

- RGB on HD15 and DVI-I
- DVI Output: on DVI-I connector
- Audio: MCO 5 pts connector

POWER SUPPLY:

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

DIMENSIONS:

- 19", 1 Unit compatible
- D 265mm x W 440mm x H 44 mm
- L D 10.43" x W 17.3" x H 1.74"

WEIGHT: 2.5 kg / 5.5 Lbs

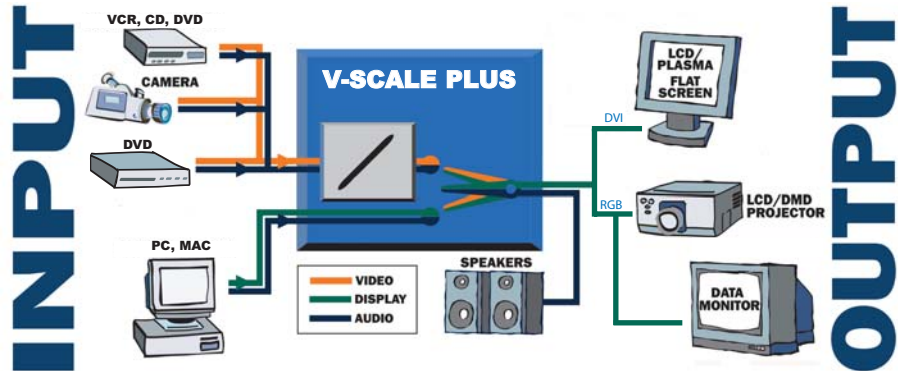
SUPPLIED WITH:

- 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 RS-232 remote control software (CD)
- 1 x user manual

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

Specifications subject to change without

Download
at www.analogway.com:
- product spec sheets in pdf
- latest product upgrades
- latest control software



V-SCALE PLUS™ by Analog Way combines the functions of a **High Resolution Video Scaler** with a **Video Switcher**. It is a state of the art **Scaler / Line Multiplier / Quadrupler / Doubler** which significantly increases Video image resolution and brightness. A Computer or external 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 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 pulldown for NTSC), it provides a "cinema like" image.

You can continuously adjust special image parameters such as the sharpness for detail emphasis, the stepness enhancer for subtitle readability improvements, the coring processor to remove high frequency noise found in some "VCR" tapes (without affecting the bandwidth), and the gamma corrector, which optimizes your CRT, DLP, LCD's luma response.

Black and white composite is 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.

REFERENCES

VSL 241: V-SCALE PLUS™

OPTION

OPT-LAN: IP/Ethernet Control

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