

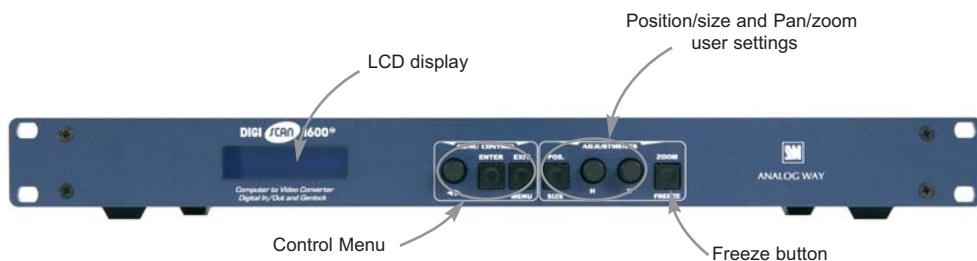
# Digi Scan 1600™

## Digi Scan 1600™

**New!**

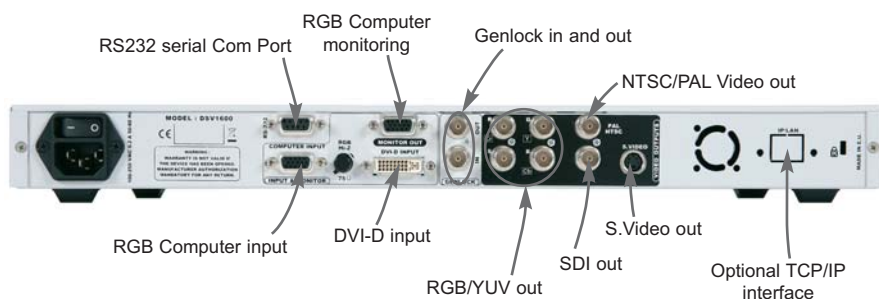
**Model. DSV1600**

- Digital High Resolution Scan Converter with Genlock
- DVI & RGB Computer Input up to 1600x1200
- SDI, RGB/YUV, S.Video, NTSC/PAL Outputs
- For TV Production, Medical and Military Environment
- Auto-scan up to 130 kHz



### Features

- PC & Mac compatible
- DVI and RGB up to UXGA
- SDI Output together with NTSC/PAL, S.Video and RGB/YUV
- Genlock input with loop through
- 8 level anti-flicker
- Linear pan and zoom resizing
- Menu control with LCD
- Freeze button
- RS232 communication port
- Remote control software
- Ethernet interface: Optional
- 19" 1U Rack enclosure



ANALOG WAY®

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

P/N: DSV1600/0507-VA

## Technical Specifications

### Computer Input

- PC, Mac and Workstation
- RGB, RGBS, RGBHV and DVI-D with automatic sync detection
- Resolution up to 1600x1200/60 Hz
- Horizontal frequency: 31.5 kHz to 130 kHz

### Video Outputs

- SDI - 4.2.2 - 10 bits - 270Mb/s
- Composite Video PAL/NTSC (1Vp/p)
- S.Video (Y/C) (0.7 Vp/p + 0.3Vp/p)
- RGB/S, RGsB or Component (0.7 Vp/p + 0.3Vp/p)
- Formats: PAL 625L 15.625 kHz / 50 Hz (CCIR);  
NTSC 525L 15.735 kHz / 60 Hz (RS 170.A)
- Computer monitor loop through

### Genlock

- Input: Black Burst
- Composite NTSC/PAL
- Output: Loop through

### User Controls and Connectors

#### FRONT PANEL

- LCD screen & control buttons for Input, output, Image and miscellaneous user settings
- Frame Freeze: Push button + 1 LED
- Image position: horizontal and vertical position and size adjustments
- Zoom mode (continuous up to 500%) with horizontal and vertical position and size adjustments

#### REAR PANEL

- **Input Connectors:**
  - HD 15 pin female (Computer in)
  - DVI-I (Digital Computer in only)
  - BNC: Genlock Black Burst
- **Output Connectors:**
  - BNC (SDI - 4.2.2 - 10 bit - 270 Mb/s)
  - BNC (NTSC/PAL/Composite Video)
  - 4 pin mini DIN (S.Video)
  - 4 BNC (RGB/S, RGsB or Component)
  - HD15 pin female (Computer out)
  - BNC: Genlock loop through
- **Miscellaneous:**
  - Hi.Z/75 Ohms: Switch for Computer input
  - RS232 for remote control
  - RJ45: Optional Ethernet connection

### Power Supply

Internal, universal, automatic 100-250 Vac; 50/60 Hz; 20 W (UL, CSA, CE)

### Supplied with

- 1 x VGA M/M cable (1.8 m - 6 ft)
- 1 x Remote control software
- 1 x User manual

### Dimensions: 19", 1U 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

### Warranty

3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

**Digi Scan 1600™** by Analog Way is a **Professional Scan Converter with Genlock and Digital SDI output** to convert PC, Mac or Workstation graphic images up to 1600x1200 at 60Hz into Video. Ready for the new generation of computer graphic cards, **Digi Scan 1600™** also offers a standard DVI-D input and SDI output for a fully digital signal processing. It is totally Auto-Scan and converts in real time, full screen image, with overscan / underscan and frame freeze functions.

**Digi Scan 1600™** outputs at the same time SDI, RGB/S or YUV, S.Video and Composite in NTSC or PAL (4 pin Mini DIN, BNC). SDI signal is 10 bits, 4.2.2, meeting SMPTE 259 timing specifications.

**Digi Scan 1600™** comes with High performance Genlock to overlay graphics onto incoming Video (with external switcher). All of the Line & Subcarrier phase parameters are adjustable, and meet ITU-R/SMPTE specifications. Genlock uses a Black Burst (or Composite) Video signal. It includes an active loop through to daisy chain other devices.

**Digi Scan 1600™** includes Computer input format memory: User adjustments for up to 16 different input formats are stored in the device

permanent memory. It makes this device ideal and very useful for rental or multi-computer applications.

**Digi Scan 1600™** features linear Pan/Zoom up to 500% to display from 100% to 4% of any part of the total input image area. A large range Anti-Flicker (8 levels) enables to find the right settings to match your application. It also offers R, G, B and Black Level adjustments for a precise user color setting. In addition, a loop through out of the RGB input is available for monitoring. User friendly menus displayed on a blue illuminated LCD screen provide clear and simple user controls.

**Digi Scan 1600™** can be fully controlled and updated via RS232 serial COM port or Optional Ethernet port. Control software is provided with the device and updates can be downloaded from **Analog Way** website.

**Digi Scan 1600™** is very easy to use and provides professional high quality Video signal.

## Cables for Digi Scan 1600

- > **BNC Cables from 2m/6ft to 20m/66ft:** Ref. 10038 - 10039 - 10096 - 10098 - 10100
- > **S.Video Cables from 2m/6ft to 20m/66ft:** Ref. 10009 - 10093 - 10094 - 10095
- > **Remote Cables from 0.3m/1ft to 30m/100ft:** Ref. 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- > **SDI-HD SDI Cables from 3m/10ft to 30m/100ft M/M:** Ref. 10135 - 10136 - 10137 - 10138 - 10139 - 10140 - 10141
- > **VGA Cables from 0.3m/1ft to 2m/6ft:** Ref. 10014 - 10015 - 10077
- > **DVI Cables from 2m/6ft to 70m/230ft**

## Reference

- > **DSV1600:** Digi Scan 1600

## Option

- > **OPT-LAN:** IP/Ethernet control

## ANALOG WAY

### USA, Canada, South America and The Carribeans

ANALOG WAY Inc.  
Tel. 212 269 1902  
Fax. 212 269 1943  
Email: salesusa@analogway.com

### Europe, Africa and Middle-East

ANALOG WAY FRANCE  
Tel. 331 64 47 16 03  
Fax. 331 64 47 14 73  
Email: saleseuro@analogway.com

### Asia and Asia Pacific

ANALOG WAY Pte Ltd  
Tel.: 65 62 92 58 00  
Fax.: 65 62 92 52 05  
Email: sales@analogwayasia.com