

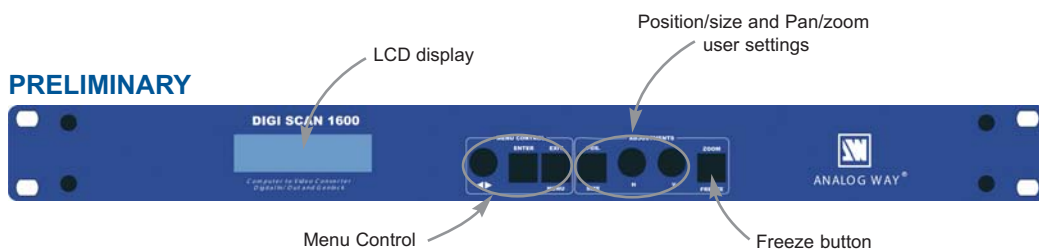
DIGI SCAN 1600™

DIGI SCAN 1600

PRELIMINARY

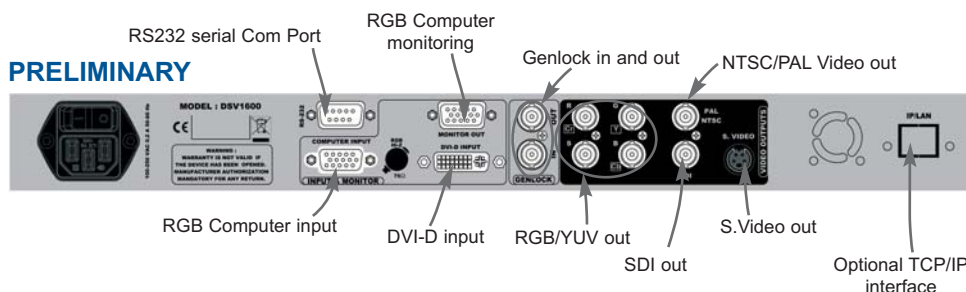
Model DSV1600

- > 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

P/N: DSV1600/A0207-VA

Scan Converters

Digi Scan 1600

TECHNICAL SPECIFICATIONS

COMPUTER INPUT

- PC, Mac and Workstation
- RGsB, 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

DIMENSIONS: 19", 1U Compatible

- D 10.43" x W 19" x H 1.69"
- D 265mm x W 482mm x H 43mm

WEIGHT: 3.3 kg / 7.3 lbs

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

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

Specifications subject to change without 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 specifications. Genlock uses a Black Burst (or Composite) Video signal. It includes an active loop through to chain other device.

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.

REFERENCE

DSV1600: Digi Scan 1600

OPTIONS

OPT-LAN: IP/Ethernet control

Cables for the Digi Scan 1600

- > **BNC Cables** from 1.8m / 6ft to 20m / 66ft - Refs 10038 - 10039 - 10096 - 10098 - 10100
- > **S.Video Cables** from 1.8m / 6ft to 20m / 66ft - Refs 10009 - 10093 - 10094 - 10095
- > **Remote Control Cables** from 0.5m / 1ft to 30m / 100ft - Refs 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- > **SDI/HD-SDI Cables** from 3m / 10ft to 30m / 100ft M/M - Refs 10135 - 10136 - 10137 - 10138 - 10139 - 10140 - 10141
- > **VGA Cables** from 0.4m/1ft to 1.8m/6ft - Refs 10014 - 10015 - 10077
- > Call us for **long distance Copper DVI Cables** from 1.8m/2ft to **70m/230ft**

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