



ScanDo® 1298 DVI-I to 3G/HD/SD-SDI Scan Converter

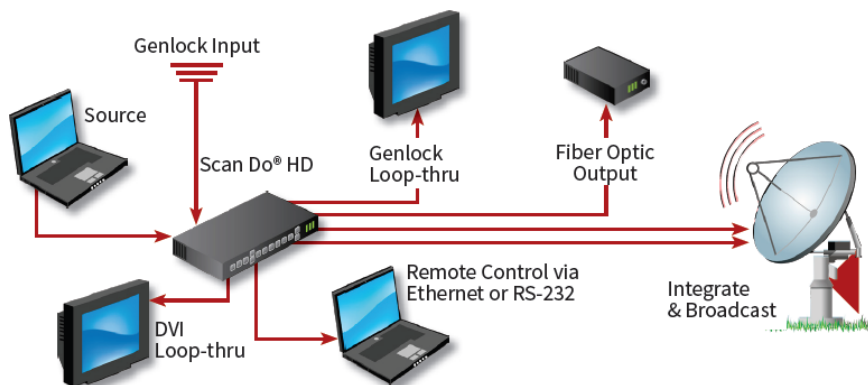


Convert your high-resolution DVI or Analog RGB computer sources into an SMPTE standard 3G, HD or SD SDI signal for broadcasting on air or integrating into a professional video production system

The all-new ScanDo HD Scan Converter converts Digital DVI and Analog RGB, at resolutions up to 1920 x 1200, to 3G/HD/SD-SDI output, providing broadcast-quality video images. It supports all SMPTE 3G-SDI output resolutions up to 1080p per SMPTE 424M-2006, HD-SDI output resolutions up to 1080i per SMPTE 292 and SD-SDI resolutions (NTSC and PAL) per SMPTE 259, making it the most versatile model in the Scan Do family.

Advanced scaling algorithms and 10bit processing provide exceptionally clean and accurate broadcast quality output.

The Scan Do HD is fully genlockable to tri-level sync or black burst and provides the broadcast engineer with precision genlock phasing controls.



FEATURES

With DVI or Analog RGB inputs and 3G-SDI Output Support

Digital DVI & Analog RGB Input Support

3G Output Support (SMPTE 424M-2006)

Store & Recall Presets from the Front Panel with Preset Status LEDs

Psf Output Support

Capture & Store EDID

SMPTE 297-2006 Compliant Fiber Optic Output

Fiber Optic, On Screen Display & Keypanel Lock Status LEDs

Alternate Function Button

Supports 3G SDI resolutions up to 1080p per SMPTE 424M-2006, HD SDI resolutions up to 1080i per SMPTE 292 and SD SDI resolutions per SMPTE 259

Advanced scaling algorithms and 10 bit processing provide exceptionally clean and accurate broadcast quality output

Genlock with full phasing control locks 3G/HD/SD-SDI output to tri-level sync or black burst

Ethernet & RS-232 ports enable remote control of the HD

Includes fiber optic output (SMPTE 297-2006) and two coaxial outputs (SMPTE 424M-2006, 292 and 259)

Complete set of Image processing controls and built-in variable flicker reduction.

Zoom & Shrink horizontally and vertically while maintaining the aspect ratio or set each independently!

Precisely position your image horizontally and vertically

ScanDo® DVI-I to 3G/HD/SD-SDI Scan Converter

SPECIFICATIONS

DVI-I single link resolutions

Up to 1920x1200 @ 60 Hz
Pixel Clock Frequency 25 to 165 MHz
(Input Pixel Clock Frequency cannot exceed 165 MHz)

Output Resolutions

10-bit 3G-SDI per SMPTE 424M-2006:

1080/60/P	1080/59.94/P
1080/50/P	

10-bit HD-SDI per SMPTE 292:

720/60/P	720/59.94/P
720/50/P	720/30/P
720/29.97/P	720/25/P
720/24/P	720/23.98/P
1035/60/I	1035/59.94/I
1080/60/I	1080/59.94/I
1080/50/I	1080/30/P
1080/30/PsF	1080/29.97/P
1080/29.97/PsF	1080/25/P
1080/25/PsF	1080/24/P
1080/24/PsF	1080/23.98/P
1080/23.98/PsF	

10-bit SD-SDI per SMPTE 259:

525/59.9/I (NTSC)	625/50/I (PAL)
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Input/Output

Single link DVI-I with active loop-thru support; includes 15pin adapter for Analog RGBHV support
Two coaxial outputs; SMPTE 292M, 259M-C & 424M-2006 Level A
One optical output; SMPTE 297-2006 compliant, 1310 nm, single mode or multimode fiber, LC connector, -3.5 dBm nominal output power
Only one output format is available on all outputs at one time.

Processing Controls

Brightness	Contrast
Hue	Color Saturation
Sharpness	

Video Processing

10 bit, all digital
NTSC/PAL black burst or HD tri-level sync
3G/HD resolutions will genlock to NTSC/PAL black burst at the same vertical rate
H, V and Clock phasing with a range of one output vertical period and resolution of 840 ps

Image Size & Positioning

Separate H & V positioning
Zoom and Shrink; H & V or together

Control Interfaces

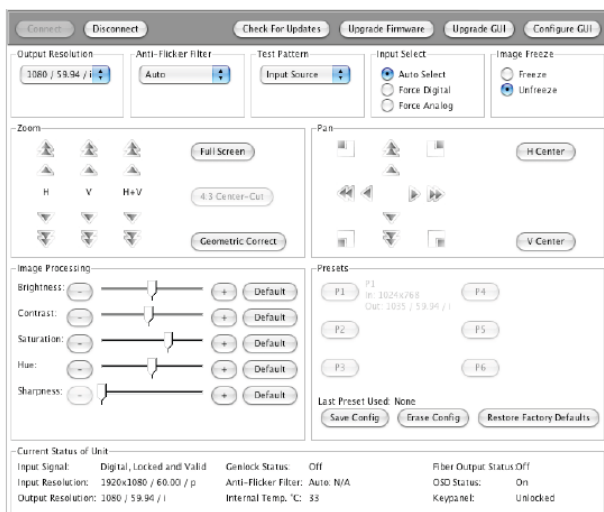
RS-232 & 10/100 Base-T ethernet LAN port with internal HTML host
Front panel push button
Field upgradeable via Ethernet

Additional Features

Variable flicker reduction
Test pattern generator: color bars at 100% and 75% Saturation
Multiple preset storage and recall settings through remote control interfaces or front panel
On Screen Display (OSD) & LED
Factory defaults reset
Rack mount kit included
RoHS compliant

General Specifications

Dimensions	16.75 W x 1.75 H x 10 D (inches) 425 W x 44 H x 254 D (mm) (without rackmount ears)
Weight	5.5 pounds; 2.49 kg
Power	Internal universal input AC power supply 95 - 250 volts AC, 47 - 63 Hz, 20 watts
BTUs/Hour	68.24
MTBF	15,200 Hours
Operating Temperature	-10°C - 50°C
Operating Humidity	0-95% non-condensing



UPDATED 08/07/2016
All specifications subject to change without notice. ©2016

Ordering Information

Part Number	Description
1298-pp	ScanDo® HD
Power Supply Suffix Codes (pp) for AC Line Cord:	
NA - North America	AU - Australia
JP - Japan	UK - United Kingdom
EU - Europe	

Sales



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CS206-1298_B