

SCAN DO HD

Provides broadcast quality conversion of DVI input to high definition (HD) and standard definition (SD) SDI output according to SMPTE 292 and 259 standards.

Scan Do®



Back Panel of Scan Do HD

1297 - Scan Do HD

SIGNALS - IN	SIGNALS - OUT
DVI Input VESA RGB Up to 1920 x 1200	HD/SD-SDI Output NTSC, PAL and HD Up to 1080i

Description and Features:

Converts DVI (up to 1920 x 1200) to HD/SD-SDI. Advanced scaling algorithms and 10-bit processing provide clean and accurate broadcast-quality output.

Supports HD-SDI resolutions up to 1080i (per SMPTE 292) and SD-SDI resolutions (per SMPTE 259)

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

Ethernet port enables control and maintenance of the unit via a facility's LAN or the internet

Includes one fiber optic output (SMPTE 292 and 297) and two coaxial outputs (SMPTE 292 and 259)

Image processing controls for brightness, contrast, saturation, hue and sharpness; variable flicker reduction

50% to 200% zoom with H and V independent or together; also H and V positioning

Storage and recall of multiple profile configurations

Internal color bar generator

1 RU high; includes rackmount kit

Ordering Information:

Part Number	Description
1297-pp	Scan Do HD

NOTE: Scan Do HD is available with international line cords. Please specify when ordering.

pp: NA N. America
AU Australia
EU Europe

JP Japan
UK United Kingdom



BAEKDOO INTERSYSTEMS CO., LTD.
TEL 02-579-9126
FAX 02-579-9129
<http://www.baek-doo.com>

Specifications:

Scan Do®

EQUIPMENT INCLUDED:

- Scan Do HD
- AC line cord
- DVI-D input cable
- Rackmount kit
- RJ-45 ethernet cable
- RS-232 remote cable
- User Manual

INPUT RESOLUTIONS:

- DVI-D single link resolutions
 - RGB, up to 1920 x 1200 @ 60 Hz
 - Pixel clock frequency 25 to 165 MHz

OUTPUT RESOLUTIONS:

- 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
 - 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)

INPUT/OUTPUT:

- Input: DVI-D single link with active loop-through
- Coaxial output x 2; SMPTE 292 & 259
- Optical output x 1; SMPTE 292 & 297 (1310 nm, single mode or multimode, SC/PC)

VIDEO PROCESSING:

- 10-bit, all digital

GENLOCK:

- NTSC/PAL black burst or HD tri-level sync
- HD resolutions will genlock to NTSC/PAL black burst at the same vertical rate
- Passive loop-through
- H, V and Clock phasing

PROCESSING CONTROLS:

- Brightness
- Contrast
- Hue
- Color Saturation
- Sharpness

IMAGE SIZING AND POSITIONING:

- Separate H & V positioning
- 50%-200% zoom; H & V separate or together

CONTROL INTERFACES:

- 10/100 Base-T ethernet LAN port with internal HTML host (allows for remote control, diagnostics and maintenance)
- RS-232 port
- Keypanel

ADDITIONAL FEATURES:

- Variable flicker reduction
- Test pattern generator: color bars
- Multiple pre-set storage and recall settings
- Factory defaults reset
- Rackmount kit included
- RoHS compliant

1297 - Scan Do HD

SIGNALS - IN	SIGNALS - OUT
DVI Input VESA RGB Up to 1920 x 1200	HD/SD-SDI Output NTSC, PAL and HD Up to 1080i

DIMENSIONS:

- 16.75 W (without rackmount ears) x 1.75 H x 10 D (inches)
- 425 W x 44 H x 254 D (mm)
- Weight: 5.5 pounds; 2.49 kg

POWER:

- Internal universal input AC power supply
- 95 - 250 volts AC, 47 - 63 Hz
- UL/CSA/TUV/CE approved



BAEKDOO INTERSYSTEMS CO., LTD.
TEL 02-579-9126
FAX 02-579-9129
<http://www.baek-doo.com>