

Scan Do Pro II

Computer to video scan converter
with genlock - composite, Y/C,
component and optional SDI outputs

SCAN DO® PRO II, the latest addition to the award-winning line of Scan Do computer-to-video scan converters. Scan Do Pro II combines the higher-resolution support (up to 1280 x 1024@60Hz) and superior processing offered by Scan Do Select with the professional broadcast-related features and interface found on the original Scan Do Pro model.

Designed specifically for professional video and broadcast, Scan Do Pro II features studio timeable genlock, component output (YUV and RGB formats) and optional SMPTE 259-M serial digital output (SDI). True multi-scanning with support for resolutions up to 1280 x 1024 ensures it will work with virtually any computer.

Switchable vertical filter plus a three-line flicker reduction filter produces sharp, stable images and multi-level input zoom processing actually enhances resolution.

Like all Scan Do models, Scan Do Pro II's front-panel controls and interface are designed for user-friendliness. Scan Do Pro II also offers an internal, universal power supply and standard RS-232 remote, bringing convenience and ease-of-use to a new level.

SCAN DO PRO II and PRO II/D



FEATURES:

- Offers broadcast-quality scan conversion, continuing in the Scan Do family tradition of high performance, value and support.
- Supports up to 1280 x 1024@60Hz
- Input computer sync range from 31 to 71 kHz
- Fully timeable genlock with horizontal and subcarrier phasing
- Composite, S-video and component (YUV and RGB formats) video outputs in NTSC and PAL
- Optional serial digital video output (SDI)
- Multi-step zoom with H&V positioning: 0.85x, 1.0x, 1.3x, 1.6x, 2.0x
- Internal, universal input power supply; no external "brick"
- Four levels of advanced three-line flicker reduction
- Multiple levels of Input zoom processing for true increase in resolution when zooming
- Switchable vertical filter

- Adaptive computer sync processing
- Built-in color bar generator
- RS-232 remote control
- Image freeze
- Single cable for VGA and Mac operation
- Switchable NTSC or PAL outputs
- Optional rackmount kits

APPLICATIONS:

- On-air web broadcast
- Computer generated graphics
- Weather maps and radar
- Post-production
- Presentation staging
- Multimedia events
- Videoconferencing

SCAN DO® PRO II and PRO II/D

SPECIFICATIONS

Equipment Included:

- Scan Do Pro II or Pro II/D
- AC line cord
- 6 ft. VGA/Mac input cable
- 12 ft. BNC to BNC output cable
- 12 ft. S-video cable
- User Manual

Inputs:

- Sync frequency range: 31-71 kHz (320 x 200 to 1280 x 1024), analog RGB, non-interlaced resolutions
- Input Impedance: RGB - 75 ohms
Sync - high impedance
- Input Sync Types Supported: Separate H & V, Composite sync (with or without serration), Sync-on-green
- Input Loop-through: Passive, self terminating if not used.
- Genlock reference input with loop-through

Output:

- VGA and Mac loop-thru output
- YUV, RGB and RGBS component
- Serial Digital Video SDI (Pro II/D only)
- S-Video
- Composite video
- Switchable NTSC or PAL timing

Input/Output Connectors:

- HD-15F for Mac input and DB-15F for VGA input (using supplied reversible input cable)
- DB-15F for Mac output, HD-15F for VGA output
- Composite video output: BNC connector
- S-Video output: 4-pin mini-DIN-F
- Component/RGBS output: BNC x 4
- SDI output: BNC
- Genlock: BNC
- Remote Control: RS-232 on 3-pin "Phoenix" type connector

Dimensions:

- 7.25 W x 2.5 H x 11 D in.
(184.1 W x 63.5 H x 279.4 D mm)

Power:

Internal universal input AC power supply.
Input: 100-250 VAC, 47-63 Hz, UL/CSA/TUV/CE approved. IEC 320 connector.

Computer and Video Processing:

- Input sampling: 24-bit (8 bits per RGB)
- Samples: 720 per line
- Computer mode detection: auto measurement
- Video processing: 16 bit YUV
- Video memory: 720 x 740 x 16 bits (1 video frame)
- Video encoding: 16-bit 4:2:2 YUV with 10-bit output D/A
- Zoom ratios: 0.85x, 1.0x, 1.3x, 1.6x, 2.0x
- Differential gain: < 1%
- Differential Phase: < 1 degree
- Frequency response: 6.5 MHz (-3 dB)

ORDERING INFORMATION

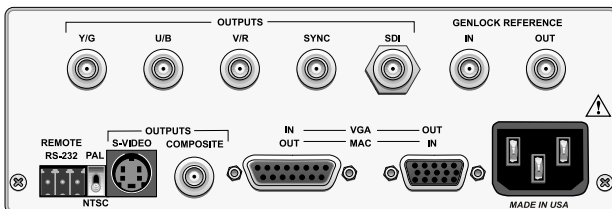
ITEM#	DESCRIPTION
1291	Scan Do Pro II
1292	Scan Do Pro II/D with SDI output
1206	5 x BNC input cable, RGBHV, 6-ft.
1156	4 x BNC input cable, RGBS, 3-ft.
1246	Rackmount kit for single unit (2 RU) 3.5 inches
1247	Rackmount kit for two units side by side (2 RU) 3.5 inches

WARRANTY

Scan Do Pro II is backed by a three-year warranty on parts and labor plus a 30-day satisfaction guarantee.

NOTE: Scan Do Pro II is available with international line cords. Please specify country when ordering.

All specifications subject to change.



Rear view of Scan Do Pro II/D

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