

Scan Converter



Scan Converter - CORIO Scan Pro SG



The CORIOscan Pro SG offers high performance scan conversion from virtually any source* to virtually any video output you need. The unit incorporates a host of features for the discerning user. For the corporate user it becomes a powerful assistant for Presentations, Conferences and Exhibitions. For the video professional it provides quality results, with various outputs, for video productions etc.

On top of the crisp computer to video conversion now provided by the unit, the CORIOscan Pro SG version also offers a full Genlock for better integration into a studio environment.

The unit supports resolutions of up to 1600x1200 with no line dropping, and at horizontal scan rates of up to 100kHz. Suitable for PC, Apple Macintosh and Workstation computers, the units are NTSC and PAL switchable, with Composite Video, S-Video, RGB, YUV and composite or separate syncs, making it compatible with a vast range of equipment.

A powerful feature of the unit is the AutoSet facility. This automatically positions and sizes the computer image on the video display. This setting is then saved in non-volatile memory and is recalled whenever this resolution is used again. Manual adjustment of the display setting is also available via various control methods.

Powerful though it may be, ease of use has not been overlooked. Controllable via the built in LCD display, Remote Control and RS232 link, all the features can be accessed at the touch of a button. In addition the CORIOscan Pro remote control can act as a mouse to enable the computer to be controlled from a distance within presentations etc. Other features include user adjustable Overscan and Underscan settings, 2x Zoom and Pan, and high level flicker reduction control.

Features

- Digital Processing & Filtering for crisp, high quality images
- High level flicker reduction control (2/4/6 lines)
- 1600x1200 max. resolution with no line dropping
- Works with PCs, Macs*, workstations*
- Front-panel, infra-red remote & RS232 control of all functions
- Autoset feature makes setup very easy
- 2x Zoom & Pan
- Freeze function via internal frame store
- User definable Overscan/Underscan sizes
- Quality Infra red remote
- Microsoft serial mouse emulation via Infra-red remote
- Front-panel lock facility
- Optional Apple Macintosh & Workstation cable packs.
- Optional Serial cable for RS232 and mouse control



Broadcast Scan Converter

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The CORIOscan Pro SG is an ideal peripheral for getting large screen displays from computers (even laptops), and for incorporating computer text and graphics into video presentations and post production. It also makes the perfect accessory to your company presentation set-up, making it easier for people to view your computer presentations in training seminars and corporate meetings.

As the CORIOscan Pro SG also offers full genlock facilities, it's even better suited to integration with other video equipment in a professional studio.

Specifications

Compatibility	PC, Macintosh*, workstations*
Resolutions	Maximum 1600x1200 with no line dropping 15kHz to 100kHz horizontal scan rate Virtually any vertical scan rate accepted - horizontal scan rate is more important
Synchronization	Separate TTL-level non-interlaced Hsync & Vsync positive or negative going Composite sync (0.3v to 1.0v peak-peak negative, or TTL level negative) Sync on green. Requires non-interlaced sync. External switch
Colours	Full 24 bit
Output Specifications	PAL & NTSC switchable Composite Video: 1 volt peak-peak on BNC, S-Video on 4-pin mini-DIN, RGB 0.7v p-p or Y-R-Y-B-Y switchable on BNCs TTL HSync/Comp.Sync, VSync on BNC, SCART cable provided with European versions
Image Scaling & Positioning	Proprietary scaling method - no line dropping Auto-set feature automatically scales computer image to fit TV Underscan & Overscan settings user-adjustable 2x Zoom & panning
Image enhancement & filtering	Switchable Horizontal Softening improves recordability Proprietary 2, 4 or 6 line flicker reduction
Internal settings memory	Non-volatile memory to hold settings for different screen resolutions User definable start-up features
Control Methods	Intelligent micro-controller eases use, Infra-red remote control supplied, Control via push buttons & LCD display Control via RS232 port.
Sub-carrier lock & sync pulses	Sub carrier locked to line frequency (when genlock in-active), Adjustable SC/H phase Sync pulse widths conform to TV standards, User subcarrier adjustment +/- 100Hz approx Independently locks to sync & subcarrier.
Studio Genlock features	Subcarrier lock range +/- 150Hz NTSC, +/- 200Hz PAL Subcarrier phase adjustment over full 360 degree range. Subcarrier lock phase jitter 0.5 degrees.
General	Professional metal case 12v DC (regulated or smoothed) min. 500mA required. Optional Apple Macintosh & Workstation cable packs.



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