matrox Convert™ DVI Family

COST-EFFECTIVE HD-SDI SCAN CONVERTERS

Matrox Convert DVI
HD-SDI Scan Converter with Genlock

Matrox Convert DVI Plus
HD-SDI Scan Converter with Genlock and Region-of-Interest Support

The Matrox Convert DVI family of scan converters lets broadcasters easily and economically take the computer-based content that is quickly becoming a key part of the nightly news to air. These products are ideal for creating broadcast video from computer applications such as Skype, YouTube, Google Earth, video games, and web browsers, as well as citizen journalists' mobile phone videos. They are also the perfect appliances to drive projectors and large displays at live events and in houses of worship.

Quality HD-SDI scan converters with genlock and upscaling typically cost thousands of dollars each and SDI audio embedders are often required. Costs balloon when facilities require multiple units. The Matrox Convert DVI products are very inexpensive by comparison and allow system audio to be embedded in the SDI signal. They provide the high-end features, outstanding quality, and ease-of-use necessary in broadcast and live event operations. The entire Convert DVI family includes premium features such as a flicker reduction filter, customizable presets with user-assignable hotkeys, password protection, SD pixel aspect ratio compensation, and a stand-alone mode ensuring optimal flexibility for many different applications. Controls are provided via an intuitive PC-based graphical user interface which includes a live preview pane.

Region-of-interest scaling and positioning-in-context are additional features of Matrox Convert DVI Plus. By simply dragging your mouse, you can choose any region of any size from your computer display, scale it to any size, and position it anywhere on your broadcast output.
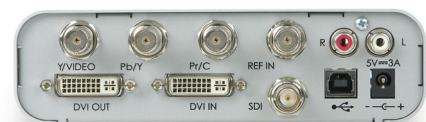
The Matrox Convert DVI products can also be used in applications where the DVI signal is not coming from a computer, but from a medical or industrial camera for example. You simply set your configuration using a PC and then let the unit operate in stand-alone mode, independently of the PC, to deliver SDI and analog video.

Key features

- Progressive DVI-D input up to 1920 x 1200
- Digital outputs: HD/SD SDI
- Analog outputs: HD/SD analog component, S-Video, and composite
- SD analog black burst (bi-level) or HD tri-level genlock with timing offset controls
- Simultaneous analog and digital video output
- Stereo audio input can be embedded into the SDI output signal
- Realtime hardware downscaling with proper color space and aspect ratio conversion
- Can operate as a stand-alone appliance
- Advanced features such as an anti-flicker filter, customizable presets, password protection, and SD pixel aspect ratio compensation
- Three-year hardware warranty and complimentary telephone support

Additional features of Matrox Convert DVI Plus

- Region-of-interest support including panning with realtime output update
- Realtime hardware upscaling with proper color space and aspect ratio conversion
- Flexible scaling and positioning of region-of-interest on the output
- Background color selection including super black and super white for downstream keying applications
- Proc amp controls
- Hotkey-triggered output signal freeze/unfreeze

MATROX CONVERT DVI FAMILY IN ACTION

Convert a 4:3 Skype window into a 16:9 HD-SDI output using pillar box, center cut, or anamorphic aspect ratio conversion.

Crop out extraneous interface toolbars and broadcast clean Google Earth maps.

Select and scale a YouTube window to fit any broadcast output resolution using the region-of-interest feature.

Output any video file or video stream playing on your computer through media players such as QuickTime, VLC, and Windows Media Player to HD-SDI.

Select any portion of your computer screen, scale it to virtually any size, and position it anywhere on the output monitor over a colored background for downstream keying applications.

Get PowerPoint presentations and other computer-based content to air.

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Digital Video Solutions