



# matrox Convert™ DVI Family



## COST-EFFECTIVE HD-SDI SCAN CONVERTERS

**Matrox Convert DVI – \$995**  
HD-SDI Scan Converter with Genlock

**Matrox Convert DVI Plus – \$1,495**  
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 snap-to-window feature makes the region-of-interest automatically output any window or window-within-a-window, such as a YouTube video within a web browser.

Convert DVI Plus also provides input detection and graphic overlay. The input detection feature lets you connect any computer running at any resolution at the input, and Matrox Convert DVI will automatically output at the desired, preprogrammed resolution. The graphic overlay feature lets you add a custom logo or graphic to the Convert DVI output. For example, any PNG or TGA file can be displayed over a YouTube video, a Skype conversation, or a Google Earth map.

**NEW!** Mac drivers are now available for the Convert DVI family. Features for the Mac include full control over the output resolution, analog output type, genlock settings, and anti-flicker filter along with the ability to program the unit for stand-alone mode. With Convert DVI Plus you can take full advantage of input detection, upscaling, and the freeze/unfreeze function.

### Key features

- Progressive DVI-D input up to 1920 x 1200
- Digital outputs: HD/SD SDI with embedded audio
- Analog outputs: HD/SD analog component, S-Video, and composite video; RCA audio
- SD analog black burst (bi-level) or HD tri-level genlock with timing offset controls
- Simultaneous analog and digital video output
- Realtime hardware downscaling with proper color space and aspect ratio conversion
- Advanced features such as stand-alone mode, 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 and snap-to-window support
- Realtime hardware upscaling with proper color space/aspect ratio conversion and proc amp controls
- Flexible scaling and positioning of the output using a live preview window
- Background color selection including super black and super white for downstream keying applications
- Hotkey-triggered output signal freeze/unfreeze
- Input detection of any resolution with conversion to a pre-programmed output resolution
- Graphic overlay of PNG or TGA files to add a custom logo or graphic to the output



# MATROX CONVERT DVI FAMILY — WORKFLOWS FOR PC



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.