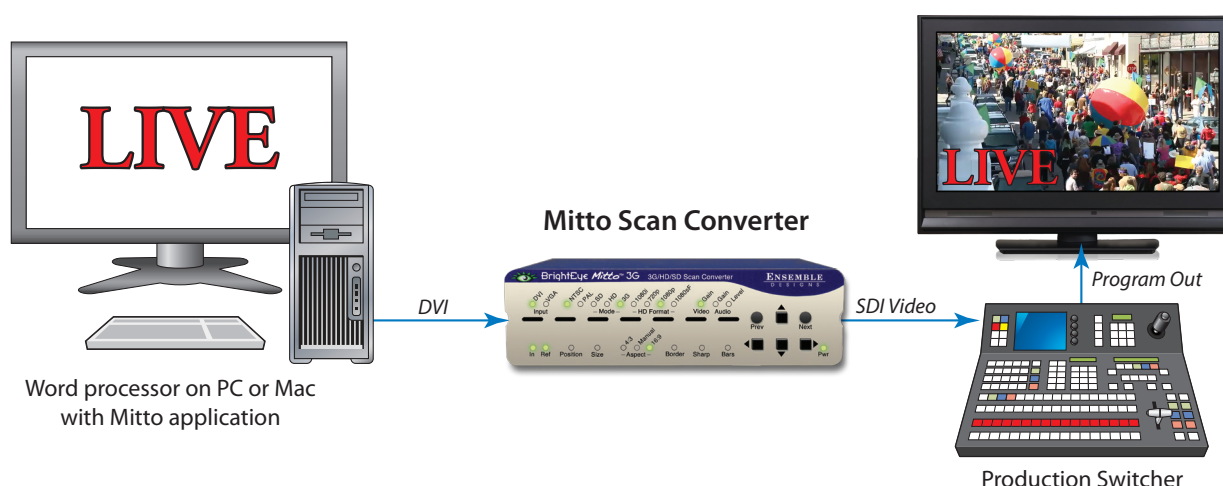


Using Scan Conversion for Character Generation



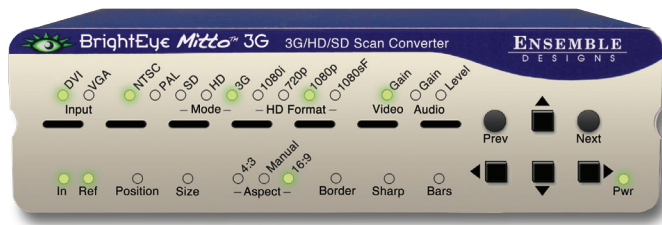
BrightEye Mitto™ is a high performance scan converter that provides a new way to take just about any computer source to 3G, HD or SD SDI video. In addition to taking web video to air, you can use simple word processors, like Microsoft Word or PowerPoint, as a character generator.

Connect the Mitto to your computer following the instructions that came with the unit, or from the Ensemble Designs website. Take the SDI output from the Mitto and connect it as an input to your production or presentation switcher.

Compose your text using Microsoft Word or similar word processing software. You can get quite creative by using different fonts installed on your computer that may not be available with conventional character generators. Any color of text may be used, however, a contrast with the background is necessary to make keying possible.

If your production switcher has a chroma keyer, you may consider placing the text over a highly saturated color.

Once the title is composed, use the selection tool in the Mitto to define the area of the screen to output to the switcher. Mitto automatically scales the selected area to 3G, HD or SD video. Select the Mitto on your production switcher and choose "luminance key" to key the text over the background of your choice. This key process is based on the brightness difference in the composed text. If you composed the text as black over a white background in the word processor, it may be necessary to use the "key invert" button on the switcher to properly key the title. If you placed the title over a color background, select "chroma key" on your switcher, and select the correct color to key the text.



The BrightEye Mitto™ family of high performance scan converters are used for the most demanding applications including high-end military, medical, classroom, broadcast, church and corporate. Convert YouTube™, Skype™ video, weather radar, viewer emails and maps to video. Ensemble uses the latest technology in its proprietary upconversion and filtering and that means you have the best looking video.

Six different models, with a feature set and price to meet any need:

BEM-1	BrightEye Mitto 3G
BEM-1F	BrightEye Mitto 3G Fiber
BEM-2	BrightEye Mitto HD
BEM-2F	BrightEye Mitto HD Fiber
BEM-4	BrightEye Mitto Pro 2