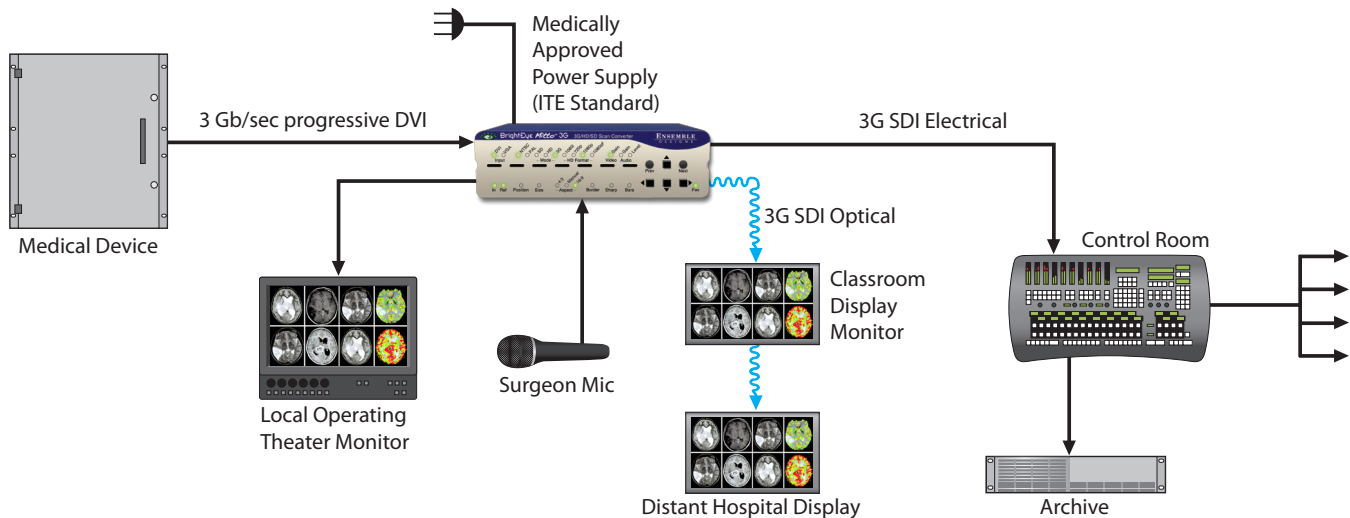


Scan Conversion for Medical Applications

Extremely Detailed Video Output for Operating



Use BrightEye Mitto to output detailed video and images in 3 Gb/s HD SDI. Connect your Mac or PC to the BrightEye Mitto through the VGA, DVI or HDMI port on your computer. Mitto outputs full 1080p HD video at 3 Gb/s for maximum detail.

Exclusive Filtering and Scaling Technology

The BrightEye Mitto is a high performance scan converter that takes a progressive computer output, either DVI or VGA, and converts it into high quality 3G, HD SDI, or SD SDI video. The high quality 1080p 3Gb/sec video output is perfect for distributing signals from medical devices such as MRI machines, Endoscopes, and X-ray machines.

Nearly all medical devices have a 1080p digital output via DVI. Selecting a lesser resolution from the device in order to convert this signal to HD SDI, results in the loss of subtle color differences and gray scale necessary to accurately evaluate the medical imagery. In addition, this imagery often has to travel great distances to classrooms and supporting hospitals for evaluation, making a fiber optic 3Gb/sec output a necessity. The BrightEye Mitto 3G-F with its exclusive 3Gb/sec (1080P -1920x1200) HD SDI electrical and fiber optic output, is the perfect solution.

Connect the 3G output from the medical device to the BrightEye Mitto via the DVI input port. Please note that Mitto is expecting a progressive format coming from a computer device. It will not work with an interlaced signal. Connect the loop through DVI output from the Mitto to the local monitor in the operating theater.

If the Mitto is to be used inside an operating environment, it is a necessity that it be connected to a medically approved power supply (ITE Standard). Ensemble Designs has these power supplies available. Be sure to specify this when placing an order with your BrightEye Mitto rep.

From the Mitto front panel or in the Output Tab in the BrightEye Mac or BrightEye PC software, configure the HD Format to 1080p by clicking and holding the pull down bar. Select whether the standard is NTSC or PAL in the Standard pull down bar, and in the Mode pull down bar, select 3G.

If the surgeon or technician will be providing commentary during the procedure, a lapel mic may be connected directly into the audio input jack on the back of the unit. The audio will then be embedded into the SDI stream for distribution.

The 3G SDI output of the Mitto is available electrically via the SDI output BNC. In addition, a fiber optic SDI output is available in the Mitto 3G-F. Many teaching hospitals will connect the electrical output to a control room for mixing with cameras and other graphical devices before distribution or for archival purposes. The fiber optic output is then routed to supporting hospitals or classrooms across campus, or cross-country, maintaining the high quality necessary for proper evaluation and diagnosis.