Stereoscopic Viewing

How does it work?

Each eye sees a different image. The flipping of left-right images on consecutive frames can be synchronized with transparent/opaque states of LCD glasses, allowing each eye to see its own image and creating a stereoscopic effect.

Requirements for CRT monitor and 3D glasses:

- CRT resolution of 1280x1024 and vertical refresh rate at least 100Hz, and
- 3D LCD glasses compatible with NVIDIA stereo driver.

We use MSI Stereo Glasses (MS-6956) and the ViewSonic P95f CRT monitor, the combination of which produce excellent stereo images.

Driver installation tips:

We use the NVIDIA stereo driver version 61.77 for Windows XP (search file on the internet "61.77_3dstereo.exe"). This driver works only with the same version of the NVIDIA driver pack (search file on the internet "61.77_win2kxp_english.exe"). Also, DirectX should be version 9 or higher. To install these drivers properly, all current NVIDIA drivers should be uninstalled. Then restart the computer and install 61.77_win2kxp_english.exe. Again, restart the computer and install 61.77_3dstereo.exe.

NVIDIA stereo-viewer usage:

The NVIDIA stereo-viewer application is built in the Display_Property/Setting/Advanced/GeForce_Driver_Control application. All stereo images should be saved in the same folder. Start the NVIDIA stereo-viewer, press "Ctrl S" and select the folder location. Press "select all" and click "begin." Finally, do not forget to put the glasses on!

Tips to improve the stereoscopic quality:

- The resolution of the monitor should be 1280x1024
- The vertical refresh rate should be set in the 100-120Hz range (higher is better)
- Set your CRT monitor to the ultra bright mode if your CRT monitor supports this
- Switch off all sources of luminescent light in the room (except the CRT monitor)
- During the stereoscopic show, press Ctrl_G to increase gamma correction (Shift_G to decrease)

Still have questions? E-mail us at support@fovia.com.