

StereoMirror™ Case Study: AeroTech Mapping, Inc.

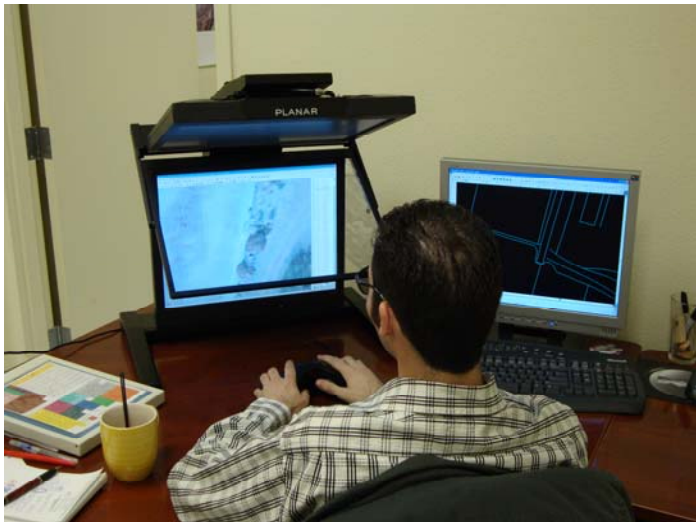
Aerial Photography Production Process

Who Uses Planar's StereoMirror

AeroTech Mapping Inc. is an aerial survey company that handles all aspects of a project including flight plan, flight execution, film processing, scanning, triangulation, compilation, quality control, orthophoto production, and editing.

How Do They Use Stereoscopic Imagery

AeroTech has three displays for triangulation and compilation, which is the process of collecting digital data from stereo photography for use in creating a topographical map. They use Datem Systems' Summit Evolution software and three P-3 analytical plotters.



Gary Williams, a technician with AeroTech Mapping, Inc., is able to clearly view map images on Planar's SD2020 StereoMirror monitor.

They have performed many triangulation and compilation tests between the digital and non-digital versions and found the accuracy of the P-3 using actual film differs from the results of the soft copy. The variation is only a few tenths or hundredths, but they found it difficult to isolate the source of the deviance because of the amount of steps to get from film to soft copy.

Why the StereoMirror Provides a Better Viewing Experience

Prior to 2005, AeroTech only had one other stereoscopic display in the office. The display could only be used for triangulation of ortho photos. After viewing the Planar's StereoMirror SD stereoscopic monitor at an ASPRS convention, AeroTech realized that a StereoMirror would give the best real-time display of any soft copy monitor on the market. Within six months of their initial purchase of an SD1710, the firm acquired a few more StereoMirror monitors, including the SD2020.



"We were impressed with the StereoMirror. The image quality is the best selling point for the monitor. It is almost as clear as the negative itself," states Jeff Wind, Production Manager, AeroTech Mapping, Inc.. "The SD monitor has doubled our production stations while using a fraction of space compared to our analytical plotters. The SD monitors are an integral part of this company and its success. They have given us a view into the future of mapping. They will one day surpass the quality of analytical plotters."

Utilizing the StereoMirror enables AeroTech users to view the display with stellar image quality necessary for critical mapping detail.

The StereoMirror enables comfortable use for extended periods of time. Technicians at AeroTech use the stereo monitors for up to ten hours at a time with only a few breaks in between. Jeff Wind explains, "The comfort level with these monitors is very high."

For more information about Planar's stereoscopic display solutions, please visit www.planar3d.com or www.planar.com.

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