



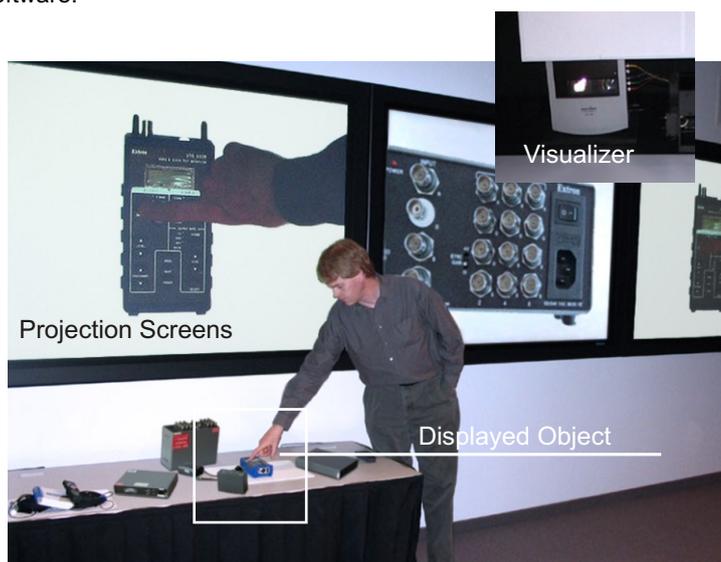
Application in Education

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Extron Electronics is a leading manufacturer of professional A/V system products. By focusing on delivering first-class service, support and solutions (abbr: S³), they have also become one of the world's leading training centers in the professional A/V industry. With their aim to offer the sharing of needed information necessary to excel in today's market, they built a world-class training facility at Extron's Anaheim headquarters called the S³ Technical Institute. Extron's global dealer base and A/V professionals have the opportunity to learn about current A/V technologies, brush up on fundamental concepts and work hands-on with the latest Extron product solutions and software.

An integral part of the training equipment are the WolfVision Visualizers from the Portable and Ceiling Visualizer series. The Visualizers are used for demonstrating the operation of their products, explaining panel configurations or for drawing system diagrams in front of training classes.

Jim Clements, Director of Education at Extron, says; "Since equipping our facilities with WolfVision units, product distribution during training sessions is not needed anymore. We simply place our products in the pick-up area of the Visualizer's camera and it's clearly visible for all participants on the large projection screens. Instead of using flip-charts or white boards, we now do it all with the Visualizers. We can capture and save images of drawings or of our products in digital format in our database and use them again, which we weren't able to do before."



The Ceiling Visualizer is discreetly installed above the trainer's presentation area (see small photo above). This frees up much needed space and allows trainers more eye contact with the participants and a more memorable experience for the audience.

Ceiling and Portable Visualizers are user friendly and this makes them popular training tools, although each series was chosen for different reasons.

Clements explains; "The Ceiling model has the advantage that it gives us uncluttered work areas and most importantly, frees up space.

Quite often during training, a whole range of products will be demonstrated and the instructor needs all the space he can get. We can also present bigger products which wouldn't fit on the worksurface of a Portable Visualizer." The Professional Ceiling Visualizer's telezoom lens displays all products in perfect clarity from top to bottom and because of its special light system, 3-dimensional parts are completely illuminated and displayed without disturbing shadows."

"Yet the fact that the Portable Visualizer is so quick to set-up and can easily be moved to any training room makes it just as popular as the Professional Ceiling Visualizer", says Jim Clements.



The Portable Visualizer seen above, with its LCD preview monitor and Zoom Wheel.

The Zoom Wheel on the Portable Visualizer allows instructors to zoom in on details quickly and precisely, and with its automatic focus, they don't need to worry about adjusting images and can fully concentrate on presentations and audiences. The built-in LCD preview monitor, located just outside of the top of the unit's working area, allows instructors to see what's being displayed on the screen eliminates the need to turn backs on audiences.

Since the introduction of WolfVision Visualizers at Extron, a variety of new uses for the units have been discovered. The image frequency of 30 frames per second allows the instructors to demonstrate hands-on presentations such as soldering, assembling, dismantling or repairing equipment in smooth, real time motion.

Clements concludes, "WolfVision Visualizers have considerably contributed to making our training sessions at Extron efficient and interesting. The possibility of providing the participants of our training classes with clear images of our products and the fact that the WolfVision units are so easy to use makes them popular training tools. The high quality of WolfVision products goes in line with our products and the image we are aiming to present at Extron."