

## U.S. Marine Corps SAVT Program Case Study

### CHALLENGE

VDC Display Systems, a division of Video Display Corporation, won a multi-year contract to develop six visual systems for the U.S. Marine Corps' Supporting Arms Virtual Training Program (SAVT). The visual systems will be used to train Marine Corp Joint Terminal Attack Controllers (JTACs).

### SOLUTION:

VDC chose Scalable's EasyBlend™ FX edge-blending software for the automatic calibration of the six systems. Each system has a field of view of 260-degrees horizontal by 60 degrees vertical. The system will incorporate ultra-high resolution projectors, a high-performance screen, and use Scalable Display's EasyBlend FX to edge blend and geometrically align the toroidal (a portion of a dome) display. Scalable's advanced software will support VDC Display Systems' goal of simulating real-world environments with near eye-limiting resolution for the trainees.

### IMPACT:

EasyBlend offers the greatest level of technical precision in the industry, making it the ideal auto-calibration solution for military simulations. Using a patented camera-generated feedback system to calculate pixel-perfect instructions, or warp meshes, EasyBlend automatically calibrates any display and completes the task of aligning multiple projectors within seconds to achieve the highest quality edge-blended images with rich and precise color. Through the use of camera feedback, users are able to correct for image warping, adjust color and blend images in an array. EasyBlend produces displays that are bright, high resolution, self-calibrating, and maintainable. This purely digital approach enables display systems that cannot be engineered by conventional means, either mechanically or optically.

### ABOUT SCALABLE DISPLAY

Scalable Display Technologies, Inc. is a leading provider of auto-calibration software used to create edge-blended displays. Its patented EasyBlend™ software, developed a decade ago at MIT, simplifies the creation of super-resolution, multi-projector displays of the highest quality and scalable size. EasyBlend opens the door to widespread use of multi-projector displays for a new class of simulators based on off-the-shelf components, as well as supporting new forms of digital signage and data visualization tools. For more information, go to <http://scalabledisplay.com>.

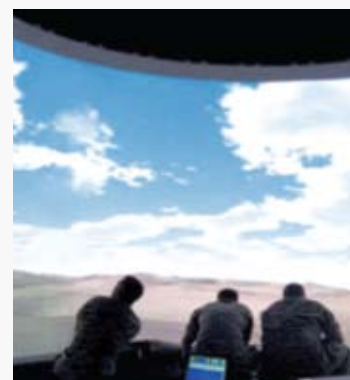
### HIGHLIGHTS

**Product:** EasyBlend FX

**Projectors:** 3 SXRD  
(12 channels)

**IG:** Presagis Vega Prime

**Screen Shape:** Toroidal



scalable



DISPLAY TECHNOLOGIES

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