Feature Spotlight

HIDDEN MARKERS

Solutions for the Volume.

Brompton Technology's Hidden Markers feature overlays configurable tracking markers onto your displayed video content, replacing the need for retro-reflective markers.

✓ SX40 and S8 processors can display suitable markers on the LED screen itself.

Tracking Systems

Camera tracking systems are an essential part of XR and virtual production, allowing the position of the camera and its lens settings to be accurately transmitted into a real-time CG system, such as Unity or Unreal. These systems can use this data to create a real-time generated frustum that can be displayed on an LED screen, keyed over green screen or used in an XR environment.

A popular technique for camera tracking systems is to use retro-reflective markers, which are typically stuck to the volume's ceiling. This can be a problem if you are using an LED roof in your volume as these markers will be occluded by the screen.

Brompton Technology's Tessera SX40 and S8 processors can solve this by displaying tracking markers that are compatible with the industry-leading Mo-Sys StarTracker system.

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Compatible, Configurable, Convenient

By making use of our Frame Remapping technology, tracking markers are overlaid on the video content being displayed. The markers are automatically generated, and the colour, density and size of the markers can be configured with the processor UI.

When used with a genlocked camera system, the markers are displayed on the output when the camera shutter is closed, ensuring the markers never appear in shot or in reflections. The SX40 and S8 processors support both Mo-Sys StarTracker and Stype RedSpy systems and allows these systems to use the markers in much the same way as traditional retro-reflextive markers.

Brompton Technology is the market leader in LED video processing for the most demanding applications across live events, virtual production, broadcast/XR, simulation/VR, fine-pitch installations and esports. The company has won multiple awards and become a globally respected brand, known for the quality and reliability of its products and exceptional technical support. For more information, visit www.bromptontech.com.

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