Feature Spotlight

SHUTTERSYNC

Freedom for camera creatives.

ShutterSync® is an industry-first processing feature that makes it possible to adjust the timing of the LED refresh to match your preferred camera setup.

With this change the LED screen ceases to be an obstacle to work around, becoming a genuine partner in the creative process, with many of the commonly experienced visual artefacts on camera a thing of the past.

Make Your Leds Work For Your Camera

Filming an LED screen requires the camera's shutter speed to be precisely matched to the LED screen refresh to prevent ugly artefacts appearing. Previously this has limited the camera settings that can be used when filming an LED screen.

✓ Now with ShutterSync you can tune your LED refresh to the camera, not the other way around, giving creative control back to the user.

Now with ShutterSync you can tune your LED refresh to the camera, not the other way around, giving creative control back to the user.

Now the cinematographer/DOP retains creative flexibility for camera configuration, with wider choice of aperture, lens, sensor gain, filters, etc. to achieve the desired creative result and level of motion blur.

ShutterSync can optionally be used in conjunction with our Frame Remapping feature, completely transforming the workflows of previously complicated multi-camera virtual production setups.

Works With All Panels with Receiver Cards

ShutterSync is compatible with all LED panels fitted with a Tessera receiver card, and works best with panels supporting HFR (High Frame Rates).

ShutterSync doesn't affect network pixel capacity and works with genlock for a perfectly synchronised system and a smoother final result.

ShutterSync is exclusive to the Tessera SX40 and Tessera S8 LED processors.

The ShutterSync® feature is patented under US Pat. 11,445,123.

Brompton Technology is the market leader in LED video processing for the most demanding applications across key sectors including Virtual Production & ICVFX, Live Events & Touring, Corporate & Education, Broadcast & Studio 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.

© 2025 Brompton Technology Ltd, 272 Gunnersbury Avenue, Chiswick, London W4 5QB | www.bromptontech.com