Venera Technologies announces the availability of Photosensitive Epilepsy (PSE) detection for HDR content in its Pulsar™ file-based QC solution

Pulsar™ is the first video quality checker solution to provide seamless integration of Cambridge Research System's HardingFPA™ PSE test capability for HDR, as well as SDR content

Burbank, USA – June 08, 2022 – Today, Venera Technologies announced that its award-winning Pulsar Automated QC solution is the first QC product to provide the Harding Test™ capability for HDR (High Dynamic Range) content using the ITU Recommendation BT.1702-2. Harding Test™ is the de facto standard for PSE detection, from Cambridge Research Systems.

Photosensitive Epilepsy (PSE) is triggered by visual stimuli (such as light flashes, stroboscopic effects or flash photography) that overload the brain temporarily and cause a seizure. PSE affects about one in four thousand people. Cambridge Research Systems provides the most accurate and widely used implementation as part of their HardingFPA™ offering for detection of such visual patterns.

The new HardingFPA™ algorithm, with the inclusion of HDR capability, now accounts for the difference in brightness and color saturation introduced with the advent of HDR. Many media companies dealing with HDR content have been eagerly anticipating these enhancements in order to accurately validate their HDR content. They can now perform PSE risk analysis of their HDR-10 and Dolby Vision content with Pulsar; and receive a HardingFPA™ compliance certificate.

"For many years, Cambridge Research Systems' HardingFPA PSE risk analysis has been the worldwide de facto standard for PSE detection for SDR (Standard Dynamic Range) content. And now we are pleased to be the first to offer their latest enhancements for PSE detection in HDR content to our customers.", said Fereidoon Khosravi, Chief Business Development Officer at Venera Technologies.

“We appreciate our long-term partnership with Venera Technologies and are pleased to have them be the first OEM implementation of our HardingFPA PSE risk analysis of HDR content.”, said Steve Elliott, Managing Director of Cambridge Research Systems Ltd.

With the latest release of Pulsar™ (7.0) which includes the HardingFPA HDR PSE risk analysis, content creators, editors, broadcasters, studios, and post production houses can confidently verify that their HDR (as well as their SDR) content passes the Harding PSE test before final delivery.

You may contact Venera Technologies at sales@veneratech.com to arrange for a demonstration of Pulsar and Harding PSE, or ask for a free trial.

About Venera Technologies

Venera Technologies provides cutting-edge file-based QC solutions to the digital media industry, tailored to the evolving requirements of its customer and the industry. Venera’s **Quasar®** the first native cloud-based QC solution, was developed natively for the Cloud environment with features such as dynamic scalability and usage-based pricing model, along with advanced QC functionalities. And Venera’s **Pulsar™** automated file-based QC solution is for on-premise deployment, with the same QC functionalities as Quasar. **CapMate™**, the native cloud Caption/Subtitle verification and correction solution, is the first comprehensive solution for verifying caption or subtitle side car files that can accurately and quickly detect (and correct) and report on complex issues such as caption sync and Standards compliance. Venera’s suite of QC solutions is used by some of the largest Media companies in the world, as well as a number of smaller boutique post houses and production companies. www.veneratech.com

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