

# MISTIKA ULTIMA POWERED BY RAIDIX – THE ULTIMATE HIGH-PERFORMANCE TECHNOLOGY FOR CONTENT CREATORS



## Suitable for:

Color grading

Finishing

Compositing

Editing

VFX

SGO's globally-acclaimed post production Hero Suite Mistika Ultima has achieved market notoriety for providing customized technology and workflows for many of the industry leaders all around the world. Built on years of research, development and production experience, Mistika Technology empowers users with new levels of creative power, performance, and efficiency in HDR, UHD/4K, 8K, S3D, and VR workflows.

Mistika Ultima offers an extensive spectrum of flexible and extremely powerful online features and toolsets essential for finishing – including color grading, compositing, editing, VFX, S3D, HDR and many more. Mistika Ultima's unrivaled performance enables real-time interactivity up to 8K at 60p, with the result of any creative decision seen instantly at the highest quality.

When powered by RAIDIX, Mistika Ultima delivers a high-end turn-key solution well-suited for post-production needs. Integrated storage technologies match Mistika Ultima's advanced toolset and capabilities and ensure stable performance for any content creation process.

## Mistika Ultima Powered by RAIDIX

### Data Storage for Cutting-Edge Media Solution

RAIDIX 4.X is a powerful software base for storage systems to endure in an environment of high load processes and demanding applications. It was especially designed for post-production and TV broadcast, where it proved outstanding results in terms of performance and data availability on common server hardware.

Depending on the Mistika Ultima configuration, Mistika-RAIDIX solution can be incorporated as an integrated storage system component. This enables low latency, high throughput and increased speed for even the most demanding post-production workflows with collaboration between multiple workstations.

### High-Performance Storage Engine

Based on proprietary algorithms and erasure coding methods, RAIDIX allows maximum speed of applications and data integrity. In order to identify process-critical applications and assign them maximum priority RAIDIX employs machine learning in QoSmic add-on.

Proprietary RAID calculations and Advanced Reconstruction technology of RAIDIX software provide sustainable storage performance in case of disk failure or recovery mode. Adaptive read-ahead helps to improve total storage performance by reducing latency and increasing throughput for sequential read requests.

### Joint Solution Benefits

Mistika Ultima is completely scalable, truly interactive, fully real-time and totally resolution independent solution, enabling highly efficient post production workflows. When powered by RAIDIX, it provides a number of benefits for content creators and post-production facilities.

- All-in-one cutting edge post-production turn-key solution.
- High-end Mistika Ultima toolsets and features.
- Efficient work with multiple concurrent data threads.
- Stable system performance in case of hardware failure.
- Smart performance adjustment for business-critical applications.
- Seamless collaboration between multiple workstations.

## Mistika Ultima Powered by RAIDIX

“Most storage systems are fast in the server side but they fail to deliver the same speed to the other hosts”, pointed out Javier Moreno, Technical Director at SGO. “The software integration between Mistika Ultima and RAIDIX not only gets more bandwidth from the same hardware, but this bandwidth also goes exactly where you need it and when you need it. For example, we have essentially ‘hard wired’ RAIDIX QOS to Mistika Play / Stop functions to make sure that all bandwidth valves in the entire infrastructure are instantly opened or closed on demand.”

### About SGO

SGO is a Spanish high-end technology company with decades of experience in developing and integrating Mistika Technology high-end post-production solutions. Apart from software solutions, SGO provides their clients with extensive engineering expertise and knowledge. This combination creates personalized high-level workflow solutions, extracting all available processing from hardware and optimizing storage to achieve incredible performance.