

AJA[®]

VIDEO SYSTEMS

Because it matters.[®]



Paragon UFSD technology for
AJA Ki Pro Ultra video recorder
and player

PARAGON Software in action

Paragon Universal File System Drivers (UFSD) for Linux

Paragon's cross-platform exFAT and HFS+ solutions expand the interoperability of the next generation file-based 4K/UltraHD and 2K/HD video recorder and player by AJA Video Systems®.

Customer:

Industry: video and media broadcasting
AJA Video has been a leading manufacturer of video interface technologies, converters, digital video recording solutions and professional cameras, bringing high-quality, cost-effective products to the professional, broadcast and post-production markets. AJA products are designed and manufactured at our facilities in Grass Valley, California, and sold through an extensive sales channel of resellers and systems integrators around the world. For further information, please see the website at <https://www.aja.com/company>



«Paragon UFSD technology offers a powerful value-add to our product line, and will help us expand our market reach while addressing the varying compatibility demands of our Ki Pro Ultra customers. »

(Nick Rashby, President, AJA Video Systems)

The product to integrate with:

Ki Pro Ultra is a 4K/UltraHD/2K/HD file based video recorder and player, supporting the latest connectivity and large raster high framerate workflows,

including 4K 60p. 3G-SDI, fiber and HDMI digital video connectivity and a wealth of analog and digital audio connectivity answers any project's demand for efficient, powerful and flexible workflows. Designed to be either portable or rackmountable with half rack wide 2RU high dimensions, it's well suited for use in studio/truck environments in addition to on-set and even digital signage applications. The Ki Pro Ultra answers the growing demand for 4K and UltraHD capable recorder products with full support for current HD projects.

Ki Pro Ultra enables manageable large raster workflows with the efficiencies of Apple ProRes or Avid DNxHD, supporting a broad range of video formats and frame rates recorded directly to AJA's proven and reliable Pak Media, offering the lowest cost per GB available today. Next generation pristine UltraHD 60p and 4K 60p recording in Apple ProRes HQ is offered utilizing AJA Pak1000 SSD media, complete with full rollover capabilities from drive to drive. This ensures long recording times for the most demanding projects. Learn more at: <https://www.aja.com/products/ki-pro-ultra>.

The challenge:

The customer needed a ready-made solution, which would allow AJA Ki Pro Ultra recorder/player end-users to work with their creative assets on Mac and Windows-based PCs with minimum product time-to-market. I.

The major set of outlined tasks and expectations:

- exFAT file system support for Ki Pro Ultra;
- HFS+ file system support for Ki Pro Ultra;
- NTFS file system support for Ki Pro Ultra;
- Minimum time-to-market;
- Technology customization to a particular product.
- Expert integration support.

The solution:

Paragon Universal File System Drivers (UFSD) Technology, which enables cross-platform data exchange between Linux-based AJA player/recorder and the most popular file systems, exFat, NTFS and HFS+ particularly. The technology enables full read and write high-speed access to the user created media stored on the AJA Pak Media state solid drive from macOS, Linux or Windows-based PC.

Now available as part of the Ki Pro Ultra v1.2 firmware upgrade for existing AJA Video customers, the Paragon UFSD drivers are also embedded in all new Ki Pro Ultra product shipments. As core components of Paragon's Universal File System Driver (UFSD) product line, the exFAT and HFS+ solutions are being licensed by AJA Video to enable the use of Ki Pro Ultra media with Mac, PC or Linux systems.

The benefits:

Paragon's UFSD, cross-platform file access technology enables storage devices, network appliances, smartphones, tablets, set top boxes, multimedia players, routers, NAS and other hardware to communicate with storage media regardless of the chip set platform or operating system. As a result, consumers can stream multimedia content to network and entertainment devices or external storage for playback at a later time, on a device of their choice regardless of potential file system incompatibility.

Paragon's UFSD technology provides rapid, trans-

parent and full read/ write access to non-native file systems under Linux, Android, iOS, QNX and other platforms. Featuring a full portfolio of UFSD solutions, Paragon is focused on delivering powerful utilities that fully protect stored data while delivering high performance with no limits on file or volume size. For more information on Paragon UFSD products, visit <https://www.paragon-software.com/technologies/ufsd.html>

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