

KiPROquad

Get Ready For 4K



AJA[®]
VIDEO SYSTEMS

Because it matters.™

Ki Pro Quad is a revolution in 4K production, combining the power of RAW workflows with the efficiency of Apple ProRes as well as 4K and HD monitoring all in a very portable and affordable package.

4K / QuadHD / 2K / HD File-based Recorder

The ideal solution for any project from HD to 4K

Ki Pro Quad enables breakthrough 4K/QuadHD/2K/HD workflows with the efficiencies of Apple ProRes and the flexibility of RAW data in a compact, file-based recording and playback device that easily mounts directly on a variety of cameras. For the first time, a true real time lens-to-post workflow exists for 4K projects on the same device you can use for HD projects today.

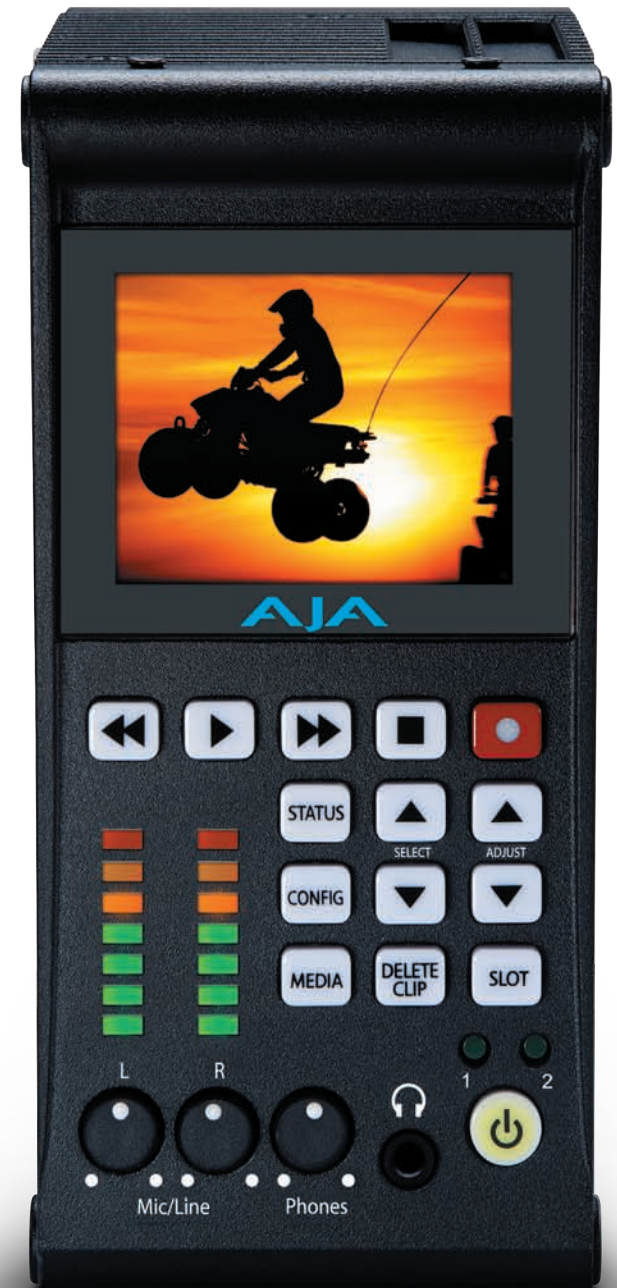
Ki Pro Quad serves as a central gathering point for the main needs of 4K production; bring camera signals into Ki Pro Quad and then simultaneously create efficient, edit-friendly 4K Apple ProRes files with pristine image quality, output to 4K and HD monitors at the same time and record RAW data directly to a Thunderbolt-enabled computer/storage system.

Real time scaling from 4K/QuadHD to 2K/HD allows you to shoot 4K but record 2K to keep file sizes down while still having theatrical quality images to work with.

Ki Pro Quad eases the transition to 4K. Work on HD and 2K resolution projects now with full 4:4:4 or 4:2:2 quality and switch Ki Pro Quad to record 4K any time the need arises. Ki Pro Quad is a single device that covers your needs today and into the future.

Only **\$3,995** US MSRP*

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4K and HD Monitoring

At 4K resolution, the ability to check focus and exposure is critical. Ki Pro Quad performs real time Debayering to a full resolution output that can be fed to 4K monitors for on-set quality checks. Real time hardware scaling creates high-quality HD-SDI and HDMI outputs for viewing on consumer and professional HD monitors, giving you additional options.



RAW Support

RAW data is the source from which all other image formats can be generated. This is the equivalent of a camera negative in film terms. Thunderbolt™ provides the bandwidth to record this RAW data via a single cable to a properly configured drive array. Ki Pro Quad supports RAW data pass-through while simultaneously performing a real time Debayer and recording to 4K ProRes files, for the ultimate in data security and flexibility.



Onboard confidence monitoring

The screen on the Ki Pro Quad is located on the same side as all of the user controls so that both the screen and controls are fully accessible even when the Ki Pro Quad is mounted to the camera along with other gear. This provides a quick reference of the input signal as well as access to all the operating menus. The current status of the Ki Pro Quad as well as all the configuration information is displayed on the built-in screen.



Small enough to mount directly on the camera

4K cameras are no longer giant pieces of machinery. They are as mobile as an HD camera and need a recording device that matches. Ki Pro Quad has the same side profile as the AJA Ki Pro Mini, so the same mounting accessories such as the Mini Mounting Plate can be used to mount the Ki Pro Quad to cameras, rails or whatever the situation calls for.



ProRes

Manageable 4K

Ki Pro Quad serves as a central gathering point for the main needs of 4K production; bring camera signals into Ki Pro Quad and then simultaneously create edit-friendly 4K ProRes files, output to 4K monitors and record RAW data directly to Thunderbolt™-enabled computer/storage system. 4K content needs are growing. Ki Pro Quad helps ease the transition to 4K with a recorder that creates smaller file sizes while still retaining pristine quality.

Powerful and affordable

Ki Pro Quad is capable of real time, high-quality RAW debayering, recording directly to 4K resolution Apple ProRes files and real time monitoring at 4K to HD resolutions. Ki Pro Quad is ready for the demands of 4K production in a compact package with functionality that is unmatched by other recorders at any price.

Proven technology

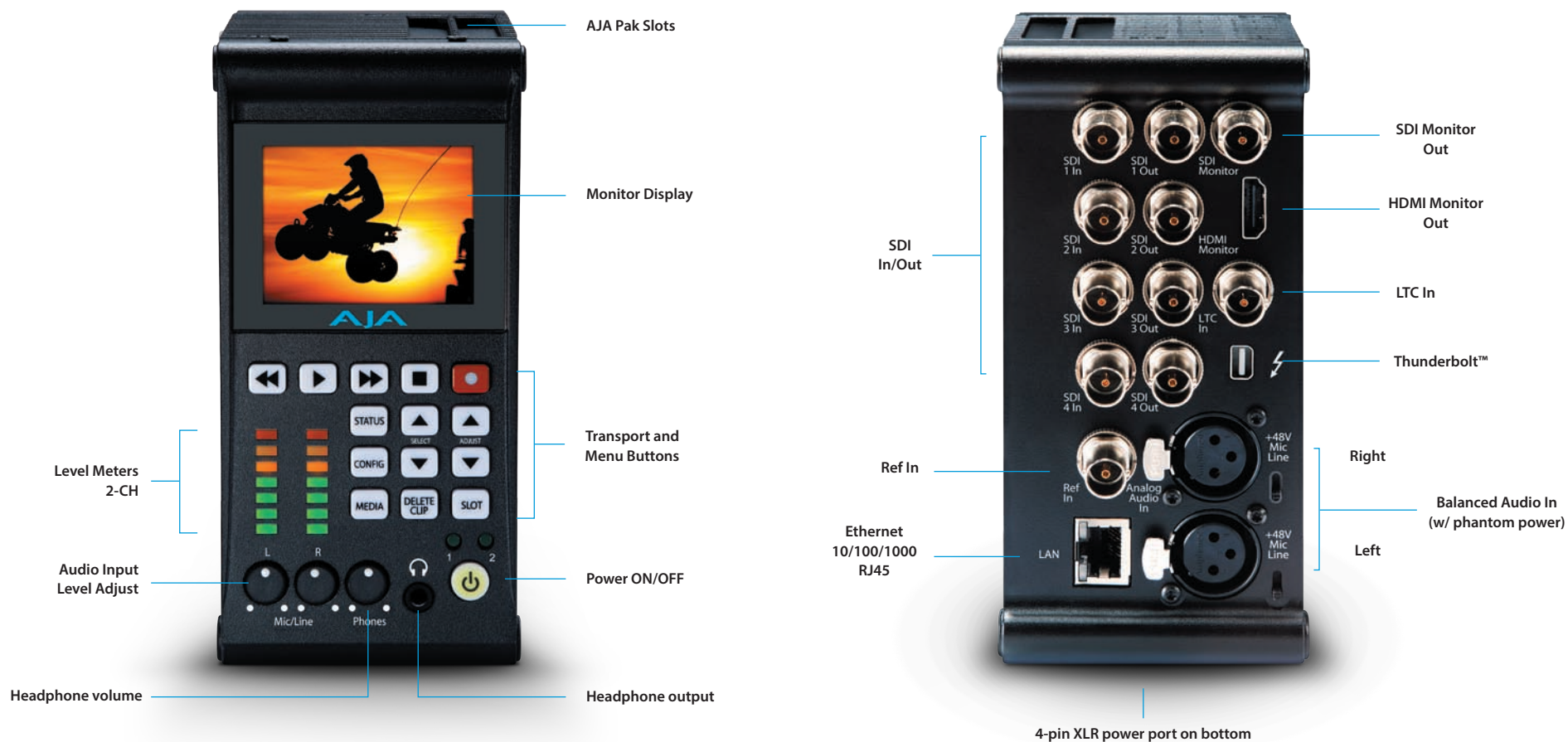
Ki Pro Quad follows the same tried-and-true principles that have made the rest of the Ki Pro family successful, creating high-quality, low-bandwidth ProRes files at 4K resolutions, that can be easily offloaded to any Thunderbolt-enabled Mac via AJA's new Pak Dock Thunderbolt and USB 3.0 reader. The resolution may be different, but the process is the same.

With a standard Ethernet LAN connection to a host computer and any web browser, all Ki Pro Quad parameter settings, clip selection and transport controls can be controlled; no additional or special software installation is required on the host computer.

Multiple Ki Pro Quad units may even be networked together and controlled from a single interface making them ideal recorders for multi-camera projects.



Connections



[Click here](http://www.aja.com/ki-pro-quad/techspecs) For the most recent product specifications visit www.aja.com/ki-pro-quad/techspecs

4K Workflow - RAW Camera Data



4K Workflow - Baseband Video Camera



Accessories



Ki Pro Quad lets you record edit-friendly 4K, 2K, or HD ProRes files directly to removable AJA Pak SSD media. Once removed from the Ki Pro Quad, the Pak can be inserted in the AJA Pak Dock which connects directly to your computer via Thunderbolt™ or USB 3.0, allowing you to rapidly transfer ProRes QuickTime files that are ready for use immediately in your non-linear editing system.



AJA Pak Dock

External Pak Dock with Thunderbolt and USB 3.0 connections for fast transfer of media to a host computer.



AJA Pak256 and Pak512

AJA Pak modules are High-capacity Solid State drives encased in a protective housing with rugged connection engineered to handle the rigors of repeated use in the field.

Optional Accessories



Mini Mounting Plate

Ki Pro Quad has the exact same side dimensions as Ki Pro Mini, allowing both models to share accessories such as the Mini Mounting Plate. This option plate allows you to mount Ki Pro Quad to 3rd-party devices. The plate is attached via 4 supplied screws; plates can be attached to either or both sides of Ki Pro Quad. A large number of screw holes in the plate allows you to mate Ki Pro Quad to 3rd-Party battery plates, hot-shoe adapters and other mounting applications.



Monitor Hood (included)

For working in direct light situations, a monitor hood is included that screws onto the Ki Pro Quad chassis for a secure fit that helps block direct light onto the built-in confidence monitor.



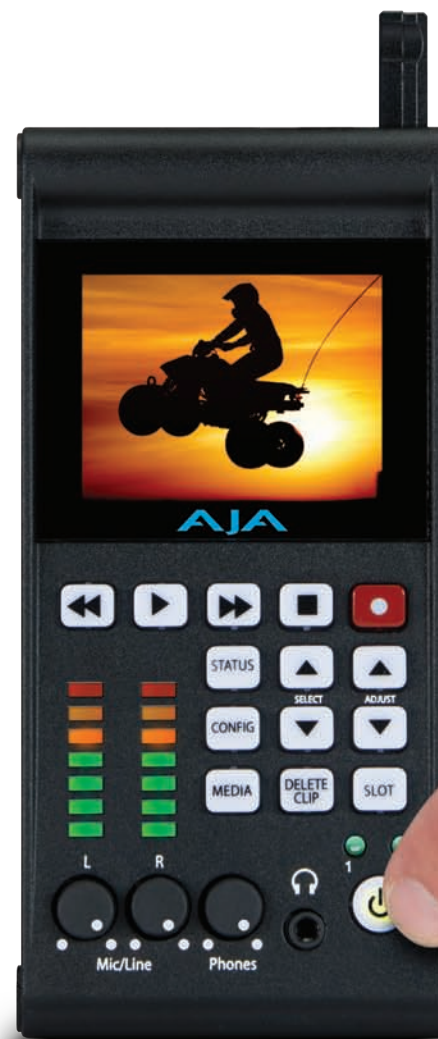
Rod Accessory Plate

This option, which is interchangeable with Ki Pro Mini, provides an accessory plate that can attach to a Mini Mounting Plate (sold separately) so you can attach Ki Pro Quad to user-supplied 15mm camera accessory rods. The accessory plate has knobs for adjusting the height of the rods relative to the Mini Mounting Plate, as well as a set of knobs for securing the rods in the bracket.



Desktop Stand

This stand securely holds the Ki Pro Quad upright on a desk, shelf, or any flat surface. A right angle power cable is provided for easy connection between the power supply and the Ki Pro Quad.



Tech Specs

Video Formats

- 720p 23.98*, 24*, 25*, 29.97*, 50, 59.94, 60
* Note: 23.98, 24, 25 and 29.97 require a valid camera source and the use of the Record Type>VFR selection Record Type>VFR selection
- 1080i 25, 29.97, 30
- 1080PsF 23.98, 24, 25*, 29.97*
* Note: 25 and 29.97 require a valid camera source and the use of the Record Type>PsF selection
- 1080p 23.98, 24, 25, 29.97, 50, 59.94
- 2K (2048x1080) PsF 23.98, 24, 25*, 29.97*
* Note: 25 and 29.97 require a valid camera source and the use of the Record Type>PsF selection
- 2K (2048x1080) p 23.98, 24, 25, 29.97, 50, 59.94
- QuadHD (3840x2160) PsF 23.98, 24, 25, 29.97, 50*, 59.94*
* Note: 50 and 59.94 are not supported for recording only for input passthrough
- QuadHD (3840x2160) p 23.98, 24, 25, 29.97, 50*, 59.94*
* Note: 50 and 59.94 are not supported for recording only for input passthrough
- 4K (4096x2160) PsF 23.98, 24, 25, 29.97, 50*, 59.94*
* Note: 50 and 59.94 are not supported for recording only for input passthrough
- 4K (4096x2160) p 23.98, 24, 25, 29.97, 50*, 59.94*
* Note: 50 and 59.94 are not supported for recording only for input passthrough

Codec Support

- Apple ProRes 4444
- Apple ProRes 422
- Apple ProRes 422 (HQ)
- Apple ProRes 422 (LT)
- Apple ProRes 422 (Proxy)

Removable Storage

- 2x slots, AJA Pak SSD media

Video Input Digital

- 4x 3G/HD SDI, SMPTE-292/296/424, 10-bit (12-bit input supported)
- Single Link 4:2:2, 4:4:4 or Canon Raw (1 x BNC)
- Dual Link 4:2:2, 4:4:4 or Canon Raw (2 x BNC)
- 4K or Quad HD 4:2:2 or 4:4:4 (4 x BNC)
- 1D LUT Support

Video Output Digital

- 4x 3G/HD SDI, SMPTE-292/296/424, 10-bit
- Single Link 4:2:2, 4:4:4 (1 x BNC)
- Dual Link 4:2:2 or 4:4:4 (2 x BNC)
- 4K or Quad HD 4:2:2 or 4:4:4 (4 x BNC)
- 1x HD SDI monitor output with support for up to 2K (2048x1080) 4:2:2
- 1x HDMI v1.4 monitor output
- 1D LUT support

Audio Input Digital

- 8-channel, 24-bit SDI embedded audio, 48kHz sample rate, Synchronous

Audio Input Analog

- 2-channel, 24-bit A/D analog audio, 48kHz sample rate, balanced (2 x XLR)
- Input level: Line, Mic, Mic+phantom 48Vdc
- +24 dBu Full Scale Digital
- +/- 0.2 dB 20Hz to 20kHz Frequency Response

Audio Output Digital

- 8-channel, 24-bit SDI embedded audio, 48kHz sample rate, Synchronous
- 8-channel, 24-bit HDMI embedded audio, 48kHz sample rate, Synchronous

Audio Output Analog

- Stereo unbalanced headphone jack (1 x mini TRS)

Timecode

- SDI RP188/SMPTE 12M via SDI BNC
- LTC input (1 x BNC)

Reference Input

- Analog Color Black (1V) or Composite Sync (2 or 4V)

Network Interface

- 10/100/1000 Ethernet (RJ-45)
- Embedded web server for remote control

Data Interface

- 1x Thunderbolt

User Interface

- 320x240 LCD display and 14 dedicated operational buttons

Physical

- Width: 4.55" (11.557 cm)
- Depth: 2.85" (7.239 cm)
- Height: 5.89" (14.9606 cm)
- Power: 100-240 VAC 50/60Hz (adapter), 12-18Vdc 4-pin XLR (chassis), 3.46A max, 31.2-35.5W typical-41.5W Max
- Weight: 2.22 lb (1.00698 kg)

[Click here](#)For the most recent product specifications visit www.aja.com/ki-pro-quad/techspecs

Incredible 3-year warranty

AJA Video warrants that Ki Pro products, except for Storage Modules, will be free from defects in materials and workmanship for a period of three years from the date of purchase. Storage Modules are warranted for one year.

About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of video interface and conversion solutions, bringing high-quality, cost-effective digital video products to the professional broadcast and post-production markets.

AJA offers the Io and KONA desktop video products, Ki Pro family of recorders, miniature standalone converters, and a complete line of rack mount interface and conversion cards and frames.

With a headquarters and design center located in Grass Valley, California, AJA Video offers its products through an extensive sales channel of dealers and systems integrators around the world. For further information, please see our website at www.aja.com

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