Ki Pro® Mini

ProRes Avid DNxHD®

Lens to Post...In a Flash

AJA® VIDEO SYSTEMS

Because it matters.™

Ki Pro Mini

Only **$1,495** US MSRP*

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AJA's Ki Pro Mini brings the 'ready-to-edit' workflow to a compact, lightweight form factor that is perfect for today's smaller cameras without sacrificing professional connectivity or functionality. Supporting both Apple ProRes and Avid DNxHD, Ki Pro Mini ensures the fastest path from lens to post.

Lens to Post...In a Flash

Compact, lightweight and designed to fast track your footage from camera to editorial.

Ki Pro Mini speeds your footage from camera to editorial, connecting to virtually any SD or HD camera and capturing files in Apple ProRes 422 and Avid DNxHD formats at your choice of quality level, direct to removable CompactFlash media.

Lightweight and rugged, Ki Pro Mini is designed for a life in the field. The Mini Mounting Plate attaches to the sides of the Ki Pro Mini and provides almost endless mounting possibilities when used in combination with battery plates, hot shoe mounts, articulated arms and more.

Ki Pro Mini works equally well whether your gear uses SDI or HDMI. The SDI and HDMI outputs are always both active, making the Ki Pro Mini not just a recorder but a useful converter as well. Two XLR analog mic/line audio inputs allow on-set audio to be recorded directly into the ProRes or DNxHD files, meaning less work in the edit to synchronize audio and video from separate sources.

Ki Pro Mini vastly extends your on-set capabilities. For rapid playback, recorded shots can be viewed immediately without the need for separate video assist equipment.

If you're using a mobile editing system, footage from Ki Pro Mini can be edited while you're still on the set, letting you make sure you have the right shots before moving on.

Once connected to a camera, Ki Pro Mini requires minimal direct user interaction. With direct support for Canon®, Sony® and RED® camera data, record start/stop, timecode and clip naming (if available) can be read from the SDI signal. On properly equipped cameras, LANC control can be used for start/stop detection as well. Ethernet connectivity of Ki Pro Mini allows control and configuration to be performed via web browser at distances up to 100 feet.

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

Ki Pro Mini

The Fastest Path From Camera to Editorial

Designed to mount easily to virtually any SDI or HDMI equipped video camera, Ki Pro Mini connects directly to your camera's digital output and captures full quality footage to CompactFlash (CF) media in Apple ProRes 422 or Avid DNxHD formats. When it's time to edit, just remove the CF media, transfer to your computer via card reader, and the footage is ready to use straight away in your editing software, without the need for additional import or transcoding steps.

10-bit, Full Raster Recording

Big on quality - but not on file size.

Compared to 8-bit recording devices, 10-bit 4:2:2 recording (when supported by the codec) provides better quantization, giving a superior representation of the original scene and allowing for more flexibility in postproduction when adjusting color and balance.

By utilizing efficient ProRes or DNxHD codecs, file sizes are kept in check so you won't need to blow your production budget on extra storage.

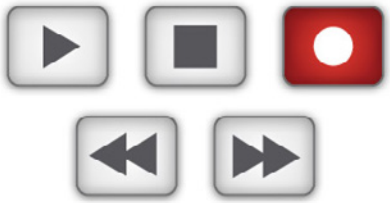
Apple ProRes and Avid DNxHD

While many cameras record directly to digital files, most native camera formats aren't designed for efficient nonlinear editorial work and each camera uses its own format for the files. This can lead to inefficiencies in the editing process.

Ki Pro Mini solves this problem by recording directly to the formats you edit with: Apple ProRes 422 or Avid DNxHD. Recording each camera to a Ki Pro Mini means you can produce a single file type to help streamline the editorial process.

Ki Pro Mini

Photo Credit: Robert Palka



Familiar, Intuitive Operation

With simple controls and an intuitive operation, Ki Pro Mini is easy to incorporate into your existing setup without worrying about a learning curve.

Just like a traditional tape deck, Ki Pro Mini features straightforward and dedicated transport buttons - record, play, stop, rewind, fast forward - making the device easy to operate with minimal training time. The current status of the system and key configuration information is clearly displayed on the built-in screen. Additional operational information can be found in the STATUS menu which can be accessed even when recording or playing back.

The Ki Pro Mini operating system offers users a flat menu structure that is easy to navigate with menu parameters presented in clear and understandable language.

Ready for Action

Compact but rugged, Ki Pro Mini is designed to withstand the rigors of real world use, shoot after shoot, day after day. We use the highest quality components to ensure it's ready to go to work every time you are.

It may be small, but Ki Pro Mini is made of lightweight, strong aluminum, with a robust construction that allows it to support the growing amount of extra gear that is attached to today's cameras.

Playback and Edit On-set

Ki Pro Mini vastly extends on-set capabilities for smaller productions and fast moving shoots. Recorded shots can be played immediately without the need for separate video assist equipment.

With a standard Ethernet LAN connection to a host computer and any web browser, all Ki Pro Mini 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 Mini units may even be networked together and controlled from a single interface making them ideal recorders for multicam projects.

If you're using a mobile editing system, footage from Ki Pro Mini can be edited while you're still on the set; letting you make sure you have the right shots and allowing the talent to see their performances in context to give them better insight into the scene.

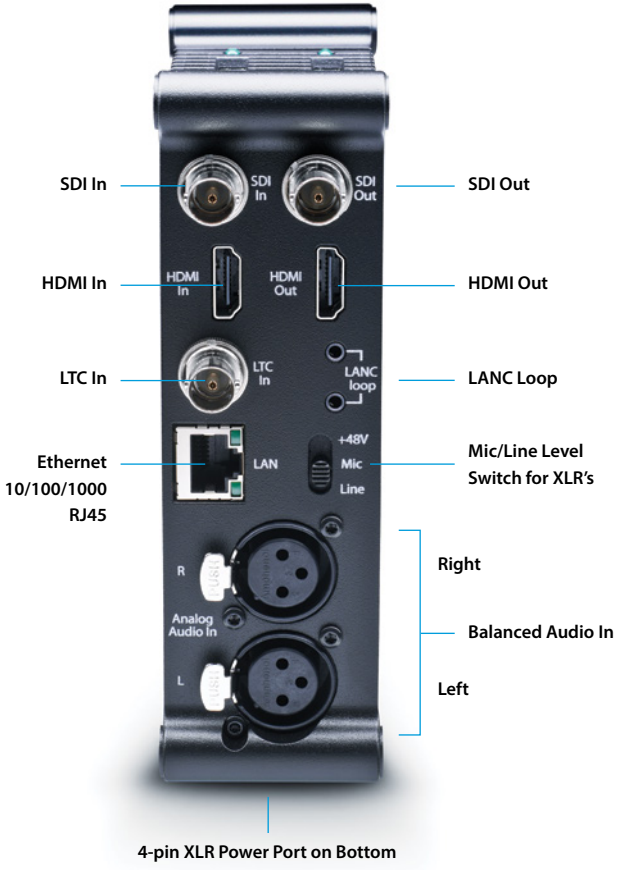
Flexible Mounting Options

Because no two setups are ever the same, you need the flexibility to adapt to the circumstances of any shoot. The optional Mini Mounting Plate attaches to the sides of the Ki Pro Mini and provides almost endless mounting possibilities when used in combination with battery plates, hot shoe mounts, articulated arms and more.

Using the Ki Pro Mini and the Mini Mounting Plate, camera balance and weight distribution can be carefully controlled instead of haphazardly adding another device to your camera rig.

Ki Pro Mini

Connections



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Optional Accessories

Mini Stand and Adapter Cable

This stand securely holds the Ki Pro Mini 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 Mini.

Mini Mounting Plate

This optional plate allows Ki Pro Mini to be connected with 3rd party accessories like battery plates, articulated arms and other mounting devices. Mini Mounting plates can be attached to either or both sides of Ki Pro Mini via the included 4 x 1/4-20 screws. The multitude of predrilled screw holes in the plate align with most standard 3rd party accessories.

Ki Pro Mini Rod Accessory Plate

This optional accessory can be attached to a Ki Pro Mini Mounting Plate (sold separately). This combination allows Ki Pro Mini to be mounted to user supplied 15mm camera accessory rods. The accessory plate has knobs for adjusting the height of the rods relative to the Ki Pro Mini Mounting Plate.

AJA DataCalc Application

Determine the storage requirements for any project with AJA's DataCalc. This handy free utility computes storage requirements for a wide range of industry video formats and compression methods. The easy to use interface lets you choose the parameters of your production and gives you instant results.

Download on the App Store

Ki Pro Mini

Chopperguy Takes to the Sky with AJA Ki Pro Mini

Whether capturing footage for a live broadcast, commercial, feature film or sporting event, Haffner and his team of specialists rely on an AJA Ki Pro Mini to meet the rigorous recording demands that aerial production requires.

View Online

Founded in 2011 by Helicopter Pilot Reporter Bruce Haffner, Chopperguy is an Arizona based production company specializing in HD aerial video and photography.

Having first encountered Ki Pro Mini in 2010 while researching recording devices for Chopperguy's first helicopter build, Haffner said, "Ki Pro Mini was new to me at the time, but I thought it was the grooviest little thing; I could hold it in my hand, and it did everything I needed, but at a fraction of the size and weight of the old TV Betacam tape recorders. The icing on the cake was that it recorded full-blown HD video to CF cards."

Over the last several years, Ki Pro Mini has become an integral part of Chopperguy's day to day operations out of a Robinson R44 NewsCopter, which has been used on a wide variety of projects for clients like Speed Channel/Fox, Intel and local station KTVK 3TV. "Our Ki Pro Mini is incredible for everything we do; the functionality of it is amazing. It helps me get the perfect shot every time," shared Haffner.

Throughout production, the Chopperguy team leverages the Ki Pro Mini to record live video broadcasts, as well as for the occasional in-camera edit. With a familiar interface reminiscent of a VTR, they're able to quickly transition from shot to shot to compose each unique story. "Ki Pro Mini allows us to easily record footage, cue up the video, prepare it to go live and "hot" roll it live on TV," Haffner explained. "As a result, we can do in-camera editing, because we can get all of the shots we need to tell our story from establishing, to medium and close-ups. The best part is that when we're ready to go live, so are our shots."

Chopperguy's NewsCopter is equipped with a compact Ikegami HDL F31 HD camera nicknamed 'Elvis,' and gyrostabilized gimbal mount on the nose of the aircraft housing a Canon lens. An optical block on the back of the lens is cabled into an aux box, where the camera control head is located, and HD images are fed out of the camera box to a video switcher. Completing the pipeline are three additional on board video sources: a Toshiba® HD camera angled at the on air talent, another Toshiba HD camera mounted outside on the tail of the aircraft and the Ki Pro Mini as a fourth input to the switcher. For live broadcasts, the team captures in 1080i or 1080p and records in ProRes 422. Data is transmitted digitally through a Nucomm TV transmitter to three mountaintop tower receive sites in Arizona. Once received, the signal is routed to a TV station, where it is decoded, sent through the electronic news gathering (ENG) department live control and transferred to sub control, where the shows are produced. A technical director, director, producer and the audio booth then collaborate to air the content through a digital switcher.

When working on projects that don't require live broadcasts, the team typically records in ProRes 422 HQ. At the conclusion of the project, the team removes the CF cards from the Ki Pro Mini and transfers the data to a MacBook Pro via a card reader. They then connect the client's hard drives to the computer and download the footage. Haffner backs up all footage on a portable hard drive and RAID system for additional security.

He concluded, "Overall, the Ki Pro Mini is really reliable and has made our jobs a lot easier. I haven't seen anything out there today that is a better fit for our news chopper."

Ki Pro Mini

Tech Specs

Video Formats

- 525i 29.97
- 625i 25
- 720p 23.98*, 25*, 29.97*, 50, 59.94, 60
  **Note: These formats require a valid camera source and the use of the Record Type>VFR selection*
- 1080i 25, 29.97, 30
- 1080PsF 23.98, 24, 25*, 29.97*
  **Note: These formats require a valid camera source and the use of the Record Type>PsF selection 1080p 23.98, 24, 25, 29.97*

Codec Support

- Apple ProRes 422 (HQ)
- Apple ProRes 422
- Apple ProRes 422 (LT)
- Apple ProRes 422 (Proxy)
- Avid DNxHD 220
- Avid DNxHD 145
- Avid DNxHD 36
  Note: Avid codecs are as indicated on Ki Pro Mini. Actual data rates will vary with frame rate.

Removable Storage

- Compact Flash (CF) Cards – 2 slots

Video Input Digital

- HD/SD-SDI, SMPTE-259/292/296, 10-bit
- Single Link 4:2:2 (1 x BNC)
- HDMI v1.3

Video Output Digital

- HD/SD-SDI, SMPTE-259/292/296, 10-bit
- Single Link 4:2:2 (1 x BNC)
- HDMI v1.3

Audio Input Digital

- 2-Channel or 8-Channel user selectable
- 8-Channel, 24-bit SDI embedded audio, 48kHz sample rate, synchronous
- 2-Channel, 24-bit HDMI 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 (1 x 3.5mm mini jack)

Timecode

- SDI RP188/SMPTE 12M via SDI BNC
- HDMI (when used with compatible cameras)
- LTC input (1 x BNC)

Network Interface

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

User Interface

- 3 line character display, with dedicated buttons

Control

- LANC Loop (2 LANC Connectors)
  NOTE: requires a LANC enabled camera

Physical

- Width: 4.35" (11.06cm)
- Depth: 1.82" (4.62cm)
- Height: 5.90" (14.998cm)
- Power: 100-240 VAC 50/60Hz (adapter), 12-18Vdc 4-pin XLR (chassis), 1.5A max, 15W typical-18W max
- Weight: 1.262 lb. (0.572kg)

Click here For the most recent product specifications visit www.aja.com/en/products/ki-pro-mini/#techspecs

3 Year Warranty

AJA Video warrants that Ki Pro® products will be free from defects in materials and workmanship for a period of five years from the date of purchase.

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 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 our website at **www.aja.com**

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