

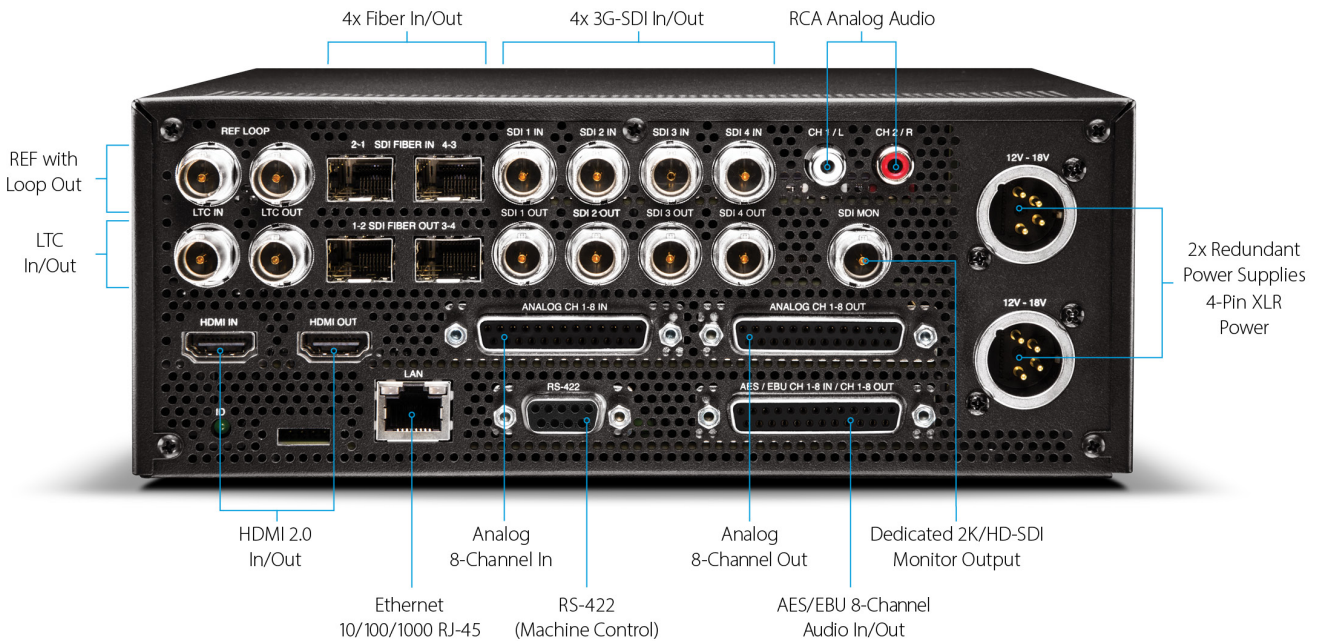


## Ki Pro Ultra

Ki Pro Ultra is a next generation file based 4K/UltraHD/2K/HD video recorder and player that supports edit ready Apple ProRes or Avid DNxHR files in a range of video formats and frame rates up to 4K, and Avid DNxHD MXF files at HD resolutions.

\$2995 US MSRP

<https://www.aja.com/products/ki-pro-ultra>



## Video Formats

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (4K) 4096 x 2160PsF 23.98, 24, 25, 29.97\*
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (UltraHD) 3840 x 2160PsF 23.98, 24, 25, 29.97\*
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080i 50, 59.94, 60
- (HD) 1080PsF 23.98, 24, 25\*\*, 29.97\*\*
- (HD) 720p 50, 59.94, 60

\*Only 4x 1.5G-SDI, 10-bit 4:2:2 YCbCr, Square Division  
 \*\*25 and 29.97 requires Record Type>PsF selection

## Codec Support

- Apple ProRes 4444, 4K/UltraHD/2K/HD up to 30 fps
- Apple ProRes 422 (HQ)
- Apple ProRes 422
- Apple ProRes 422 (LT)
- Apple ProRes 422 (Proxy)
- Avid DNxHR HQX up to 4K/29.97 fps
- Avid DNxHR SQ up to 4K/29.97 fps
- Avid DNxHR LB up to 4K/29.97 fps
- Avid DNxHD HQX (220x) up to 1080p 59.94 fps
- Avid DNxHD SQ (145) up to 1080p 59.94 fps
- Avid DNxHD LB (36)\*

\*Avid DNxHD 36 only supported for 1080p

## Codec Container

- Apple ProRes .MOV
- AVID DNx MXF or .MOV
- AVID DNxHR MXF only

## Removable Storage

- 2x slots, AJA SSD media Pak 256, Pak 512, Pak 1000, Pak 2000
- Pak-Adapt-eSATA\*, Pak-Adapt-CFast\*

\*Only with AJA qualified media

## Video Input Digital

- 4x 3G-SDI, SMPTE-292/296/424, 10-bit (12-bit input supported)
- 4x Fiber LC\*, 3G-SDI, SMPTE-297, 10-bit
- 4K/UltraHD 4:2:2 or 4:4:4 (4x BNC or Fiber LC\*)
- Dual Link 4:2:2, 4:4:4 (2x BNC or Fiber LC\*)
- Single Link 4:2:2, 4:4:4 (1x BNC or Fiber LC\*)
- 1x HDMI standard type A connector
- HDMI v2.0 YCbCr, 4:2:0 only at 4K/UltraHD 50, 59.94, 60
- HDMI v1.4b, RGB or YCbCr

\*Optional SFP Modules

## Video Output Digital

- 4x 3G-SDI, SMPTE-292/296/424, 10-bit
- 4x Fiber LC\* 3G-SDI, SMPTE-297, 10-bit
- 4K/UltraHD 4:2:2 or 4:4:4 (4x BNC or Fiber LC\*)
- Dual Link 4:2:2 or 4:4:4 (2x BNC or Fiber LC\*)
- Single Link 4:2:2 or 4:4:4 (1x BNC or Fiber LC\*)
- 1x HDMI standard type A connector
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- HDMI v1.4b, RGB or YCbCr

\*Optional SFP Modules

## Audio Input Digital

- 16-Channel, 24-bit SDI/Fiber embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, AES/EBU via (1/2x DB-25 TASCAM pinout)

## Audio Input Analog

- 8-Channel, 24-bit A/D analog audio, 48 kHz sample rate (1x DB-25 TASCAM Pinout)
- +24 dBu full scale digital
- +/- 0.2 dB 20 Hz to 20 kHz frequency response

## Audio Output Digital

- 16-Channel, 24-bit SDI/Fiber embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, AES/EBU via (1/2x DB-25 TASCAM pinout)

## Audio Output Analog

- Stereo unbalanced headphone jack (1x 3.5mm jack) with volume control
- 8-Channel, 24-bit D/A analog audio, 48 kHz sample rate (1x DB-25 TASCAM pinout)
- 2-Channel unbalanced 2x RCA connectors

## Timecode

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

## Reference Input

- External, 2x BNC
- Looping, nonterminating
- Blackburst or tri-level sync

## Network Interface

- 10/100/1000 Ethernet (RJ-45)
- Embedded web server for remote control via REST
- Video Confidence Monitor via Web Interface
- Clip upload/download via Web Interface in DATA-LAN mode
- Configuration and Transport Control via WEB Interface

## Machine Control

- RS-422, 1x DE-9 female connector, Sony 9-pin protocol
- 9-pin D-connector pinout is as follows:

1	GND
2	TX-
3	RX+
4	GND
5	No Connection
6	GND
7	TX+
8	RX-

9	GND
Shell	GND

## User Interface

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- Rotary selector knob
- Dedicated, backlit transport controls and menu buttons
- Large 1280 x 720 TFT LCD display with Video Monitor and Menu/Status Overlays

## Closed Captioning Support

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- CEA-708, CEA-608

## File System Support

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- HFS+, exFAT

## Size (w x d x h)

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- 8.64" x 9.34" x 3.31" (219.46 x 237.24 x 84.08 mm)

## Weight

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- 5.6 lbs (2.6 kg)

## Power

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- Dual, redundant, 5.4A max, 35W-60W typical-65W Max
  - 100-240 VAC 50/60 Hz (adapter)
  - 12-18Vdc 4-pin XLR (chassis)

## Environment

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- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)