

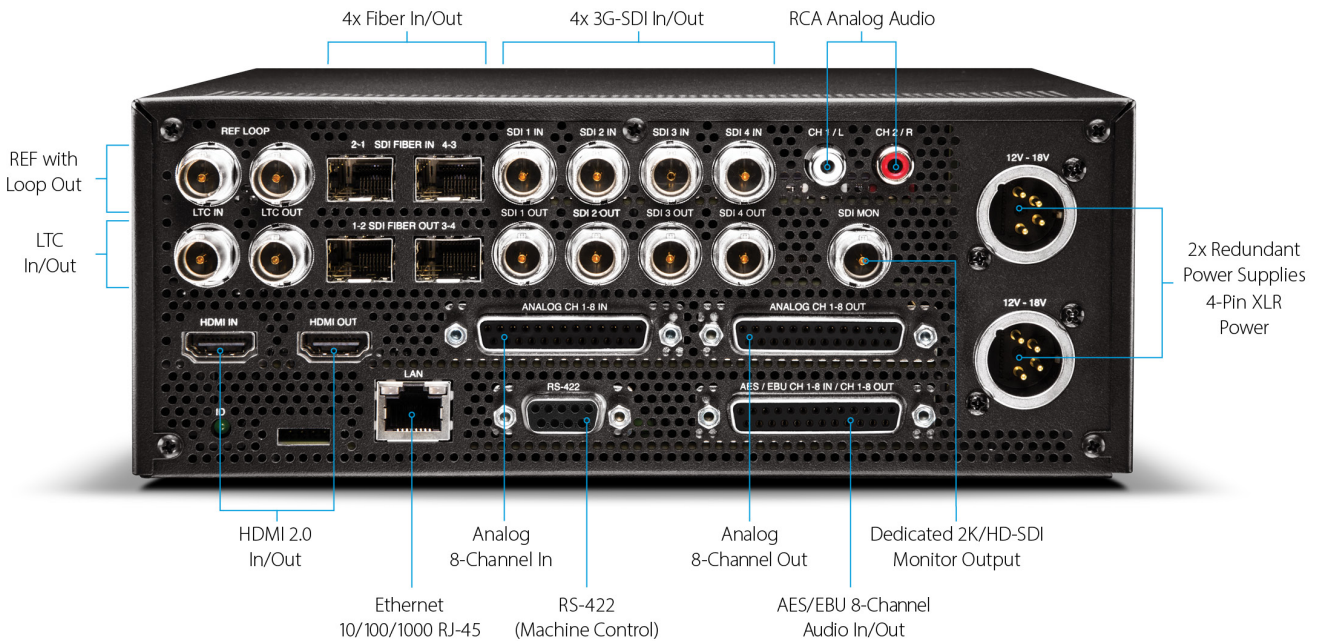


Ki Pro Ultra

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
- HDMI v2.0 YCbCr, 4:2:0 only at 4K/UltraHD 50, 59.94, 60
- 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

- 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

- CEA-708, CEA-608

File System Support

- HFS+, exFAT

Size (w x d x h)

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

Weight

- 5.6 lbs (2.6 kg)

Power

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

Environment

- 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)