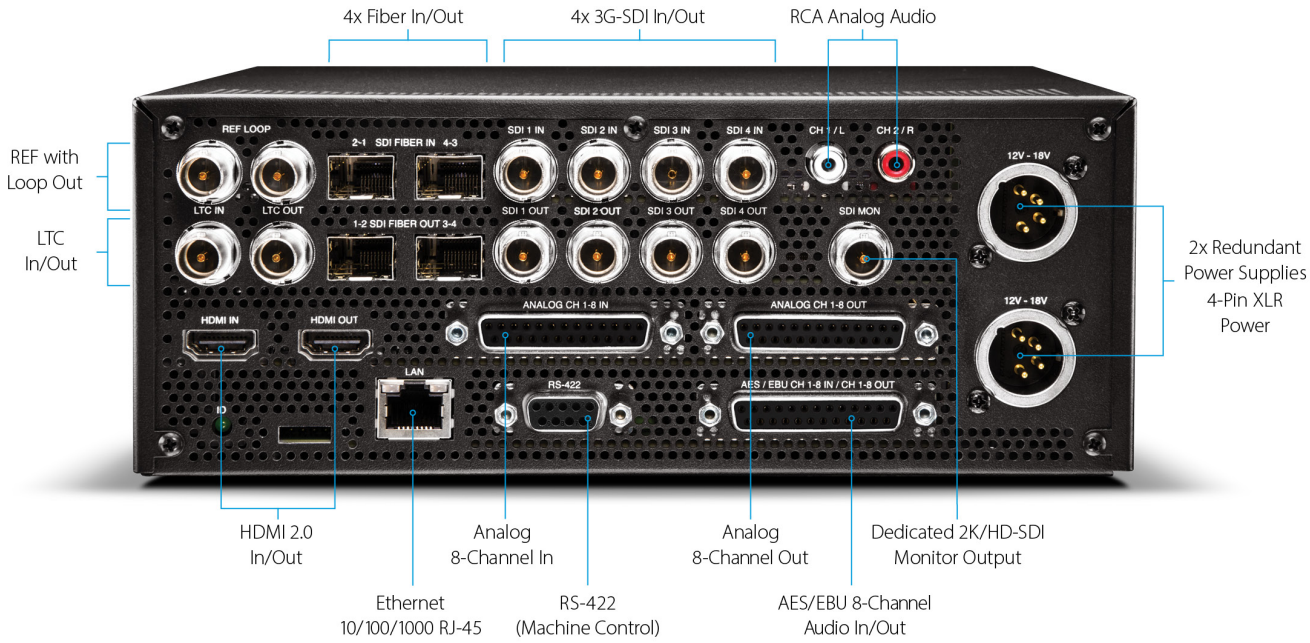


Ki Pro Ultra Plus

Ki Pro Ultra Plus is no longer available. Please visit https://www.aja.com/family/digital-recorders for current more powerful alternatives.

$ US MSRP

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



Video Formats

- Single Channel Mode:
  - (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 25, 29.97, 30
  - (HD) 1080PsF 23.98, 24, 25**, 29.97**
  - (HD) 720p 50, 59.94, 60
- Multi-Channel Mode:
  - (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
  - (HD) 1080i 25, 29.97, 30
  - (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

- Single Channel Mode:
  - Apple ProRes 4444 XQ, up to 2K/60 fps
  - Apple ProRes 4444, up to 30 fps
  - Apple ProRes 422 (HQ)
  - Apple ProRes 422
  - Apple ProRes 422 (LT)
  - Apple ProRes 422 (Proxy)
  - Avid DNxHD HQX (220x)*
  - Avid DNxHD SQ (145)*
  - Avid DNxHD LB (36)**
  - Avid DNxHR HQX up to 4K/30 fps
  - Avid DNxHR SQ up to 4K/30 fps
  - Avid DNxHR LB up to 4K/30 fps
- Multi-Channel Mode:
  - Apple ProRes 4444, up to 30 fps
  - Apple ProRes 422 (HQ)
  - Apple ProRes 422
  - Apple ProRes 422 (LT)
  - Apple ProRes 422 (Proxy)

*Avid DNxHD only supported for 1080 and 720 resolutions
**Avid DNxHD 36 only supported for 1080p

Codec Container

- Apple ProRes .MOV
- AVID DNX MXF or .MOV

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-292/372/424
- 4x Fiber LC*, 3G-SDI, SMPTE-297
- 4K/UltraHD 4:2:2 10bit & 4:4:4 10/12bit (4x BNC or Fiber LC*)
- Dual Link 4:2:2 10bit & 4:4:4 10/12bit (2x BNC or Fiber LC*)
- Single Link 4:2:2 10bit & 4:4:4 10/12bit (1x BNC or Fiber LC*)
- 1x HDMI standard type A connector
- HDMI v2.0
  - 4:4:4 RGB 8/10/12-bit (deep color)
  - 4:2:2 YCbCr 8/10/12-bit
  - 4:2:0 YCbCr 8-bit

*Optional SFP Modules

Video Output Digital

- 4x 3G-SDI, SMPTE-292/372/424
- 4x Fiber LC* 3G-SDI, SMPTE-297
- 4K/UltraHD 4:2:2 10bit & 4:4:4 10bit (4x BNC or Fiber LC*)
- Dual Link 4:2:2 10bit & 4:4:4 10bit (2x BNC or Fiber LC*)
- Single Link 4:2:2 10bit & 4:4:4 10bit (1x BNC or Fiber LC*)
- 1x HDMI standard type A connector
- HDMI v2.0
  - 4:4:4 RGB 8/10/12-bit (deep color)
  - 4:2:2 YCbCr 8/10/12-bit
  - 4:2:0 YCbCr 8-bit
- HDR Infoframe generation as defined in CTA-861.3 and HDMI v2.0a

*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, mappable, 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 2 x RCA connectors

Recording Mode

- Multi-channel HD Apple ProRes recording (Pak 2000, Pak 1000, Pak 512 (R1), Pak 256 (R1) (R2))
- Single channel 4K/UltraHD/2K/HD recording

Playback Mode

- One channel of 4K/UltraHD/2K/HD at a time

Timecode

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

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)