

Ki Pro GO

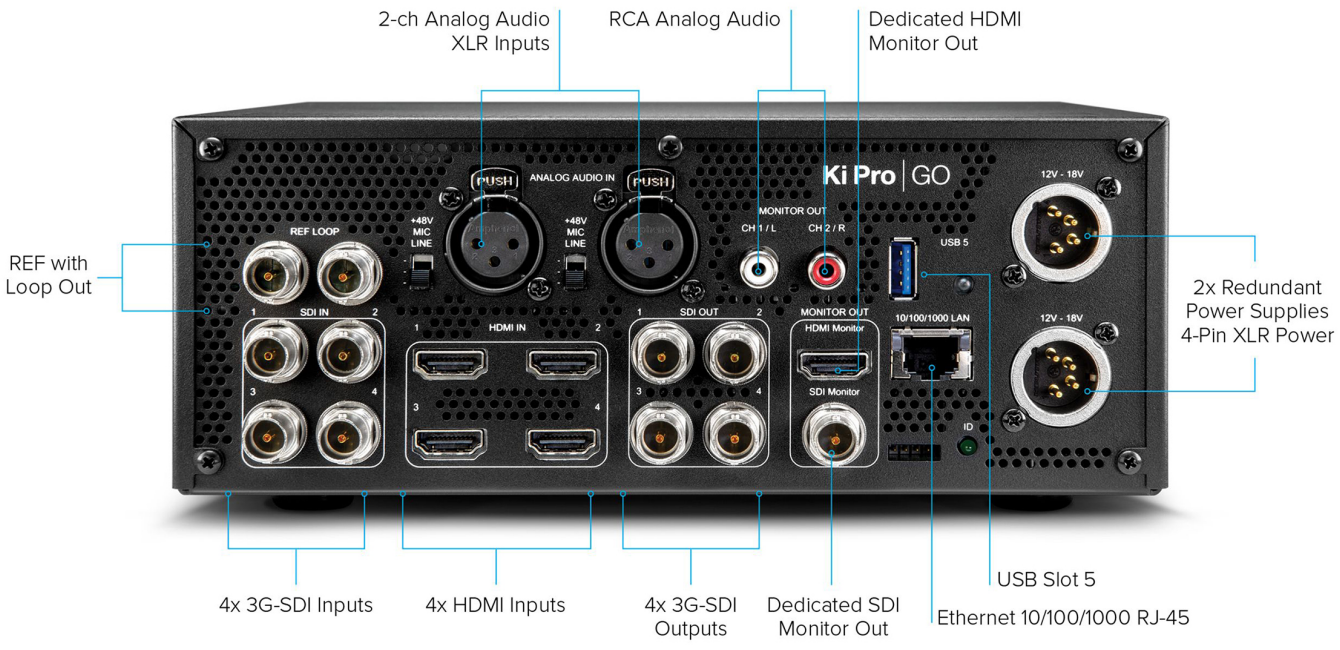
Ki Pro GO is a portable multi-channel H.264 recorder offering up to 4-channels of simultaneous HD and SD recording to off the shelf USB drives with redundant recording capabilities.

$5330 US MSRP

4x 3G-SDI and 4x HDMI digital video inputs with flexible channel assignments provides connections to the latest video sources, including cameras. Incoming video sources do not have to be genlocked due to Ki Pro GO's input frame syncs and timecode can be inserted for non timecode sources through LTC over analog audio in. Ki Pro GO also features AJA's high quality de-interlacers on each input so progressive recordings can be made from interlaced inputs. High quality 2-channel embedded audio or balanced XLR analog audio can be assigned to any recording channel. Multi-Channel Matrix Monitoring enables multiple video channels to be viewed on any single HDMI or SDI display and a new Enhanced Super Out with v2.0 firmware offers media status and audio meter overlays, including timecode over the SDI and HDMI monitor outputs.

Designed to be either portable or rackmountable with half rack wide, 2RU high dimensions, Ki Pro GO is well suited for use in any environment.

https://www.aja.com/products/ki-pro-go



Video Formats

- (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, 30*,**
- (HD) 720p 50, 59.94, 60
- (SD) 525i 59.94*
- (SD) 625i 50*

* Recording will be converted to progressive
** PsF input support only

Note: Multi-channel recording requires the same frame rate and resolution for all input sources.

Video Codec Support

- Supports H.264/MPEG-4
- up to 25 Mbps recorded output

Audio Codec Support

- 4x audio compression codecs
- 2-channel audio support for each
- up to 320 kbps
- MPEG-4 AAC-LC

Codec Container

- .MP4

Removable Storage

- 5x USB 3.2 Gen 1 (5 Gbps) ports
- All ports are also compatible with the following standards:
  - USB 2.0 (480 Mbps)
  - USB 3.0 (5 Gbps)*
  - USB 3.2 Gen 1 (5 Gbps)*
- 5V 1A max current per port

*Also referred to as SuperSpeed USB

Removable Storage File System Support

- FAT file systems
  - FAT16
  - FAT32
  - exFAT
- In-system formatting support for exFAT only

Network Storage

- SMB support via GigE port*
  - Only 1 network storage device can be used at any one time
  - Connection via IP address or DNS entry
  - Requires (externally defined) Domain name, Domain user name, user password
  - Customer must ensure sufficient bandwidth is available for recording*

*GigE network connectivity to storage is required, with 150Mb/s of bandwidth permanently available for media storage.

SMB Protocols Supported

- SMB 3.1.1
- SMB 3.0.2
- SMB 3.02
- SMB 2.1
- SMB 2.0
- SMB 1.0

Video Input

- 4x 3G-SDI BNC, SMPTE-259/292/424, 4:2:2 10-bit
- 4x HDMI standard Type A connector
- HDMI v1.4a
  - 4:4:4 RGB 8, 10-bit (deep color)
  - 4:2:2 YCbCr 8/10/12-bit
  - 4:2:0 YCbCr 8-bit

Video Output

- 5x 3G-SDI BNC, SMPTE-259/292/424, 4:2:2 10-bit
- 1x HDMI standard Type A connector
- HDMI v1.4a
  - 4:4:4 RGB 8, 10-bit (deep color)
  - 4:2:2 YCbCr 8/10/12-bit
  - 4:2:0 YCbCr 8-bit

Audio Input

- 4x SDI Audio
  - 2-channel, 24-bit embedded audio
  - 48 kHz sample rate, synchronous
  - Sample rate converted to 48 kHz internally
- 4x HDMI Audio
  - 2-channel, 24-bit HDMI embedded audio
  - 32 kHz, 44.1 kHz, 48 kHz sample rates, synchronous
  - Sample rate converted to 48 kHz internally
- 2x XLR input
  - Line/Mic/+48V Phantom Power Mic Levels supported (selectable by rear switch)
  - +24 dB full scale digital
  - +/- 0.3 dBFS 20 Hz to 20 kHz response
  - THD+N <= -90 dB

Audio Output

- 5x SDI embedded
  - 2-channel, 24-bit embedded audio
  - 48 kHz sample rate, synchronous
- 1x HDMI embedded
  - 2-channel, 24-bit embedded audio
  - 48 kHz sample rate, synchronous
- Stereo unbalanced headphone jack (1x 3.5mm jack) with volume control
- 2-channel unbalanced 2x RCA connectors

Video Conversion

- Deinterlacing for recording
- Interlacing for playback (optional)
- PsF to progressive

Timecode

- SDI RP188/SMPTE 12M via SDI BNC
- LTC input (via Analog Audio XLR in R)
- TC Super Out

Reference Input

- External, 2x BNC
- Looping, nonterminating
- Input reference formats:

- (HD) Tri-level sync
  - 720p 59.94
  - 720p 50
  - 1080i 59.94
  - 1080i 50
  - 1080p 23.98
  - 1080PsF 23.98
  - 1080p 24
  - 1080PsF 24
  - 1080p 25
  - 1080PsF 25
- (SD) Analog composite
  - 525i 59.94
  - 625i 50

Network Interface

- 1x LAN connector (RJ-45 connector, 10/100/1000)
- Embedded web server for remote control
- Configuration and Transport Control via WEB Interface
- Clip download via Web Interface
- Remote control via REST

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

Size (w x d x h)

- 8.64" x 10.59" x 3.31" (219.46 x 268.60 x 84.08 mm)

Weight

- 5.1 lbs (2.3 kg)

Power

- External power supply required
  - Enclosure: Dual, redundant, 12-18VDC regulated, 4-pin XLR, 55W typical, 90W max.
  - AC adapter, included: 100-240VAC, 50/60 Hz, universal input, 12V, 7A output
  - Optional redundant AC adapter sold separately, KPU-PWR-SUPPLY

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)