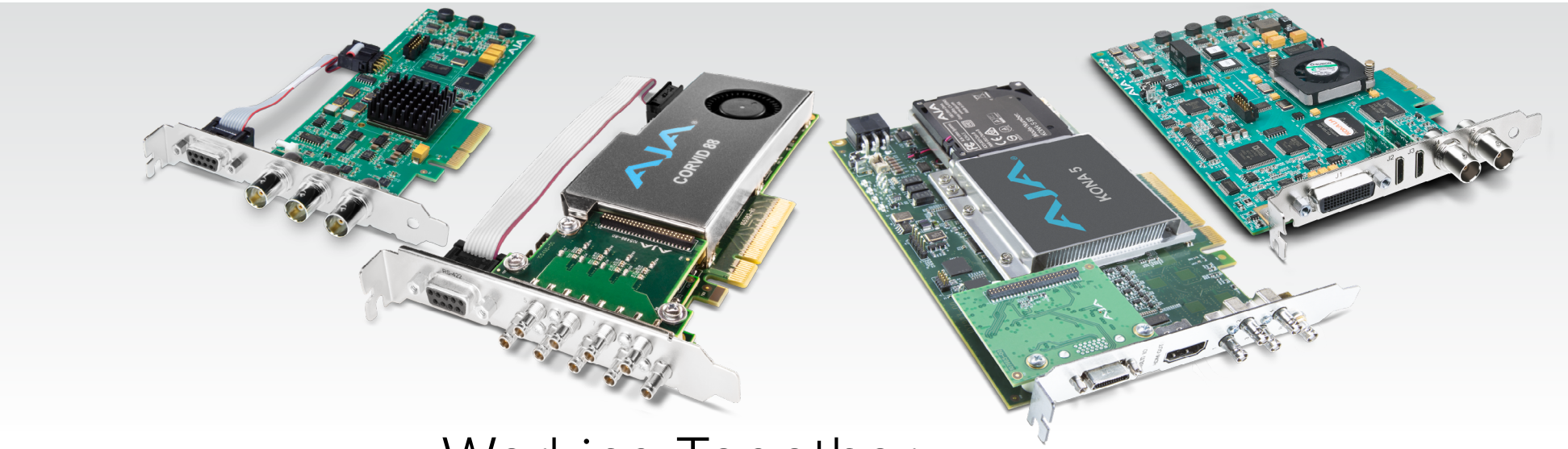
Developer Program

April 2024

www.aja.com

AJA | Developer Program

3 YEAR WARRANTY



Working Together

AJA's Developer program allows partner companies to incorporate AJA products into their systems. By utilizing existing, proven video I/O devices, partners leverage AJA's expertise to develop and support these technologies, saving money and getting their integrated products to market more quickly.

AJA technology is at the core of many great products. Superior quality and a straightforward development kit makes AJA's Developer products easy to integrate into any Windows, macOS or Linux environment.

AJA has a long history of building high quality, reliable video devices for the video industry. The AJA Developer Program provides you with access to that pedigree for integration into your own products.

Many of AJA's retail products are available for developer use. Whether you need to incorporate conversion technology into a prebuilt package using one of our full range of Mini-Converters, or integrate a KONA video I/O card into a custom setup, you have access to all the power and quality of AJA.

For more specific applications, the Corvid family of products uses the same technology as the retail cards but provides alternate form factors that allow you to further customize your configuration.

From single channel I/O to multiple simultaneous I/O streams, multichannel HDMI capture, optical fiber, HDR or 12G-SDI I/O, there's a Developer product to fit every need.

AJA's comprehensive SDK and development tools will help you integrate into any environment with support for Windows®, macOS® and Linux®. As a developer partner, you will have direct access to AJA's technical support team, which is known throughout the industry for fast and effective response.

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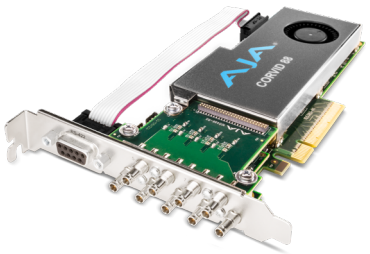


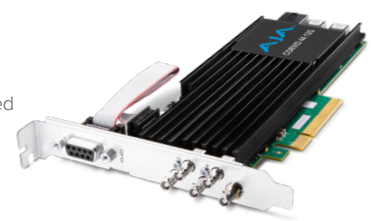
Corvid 88 $3,485

High Density Multi-Stream, Multi-Format I/O

- 4K/UltraHD/2K/HD/SD up to dual 4K 50/60p
- 8x bidirectional 3G-SDI spigots with 16-channel embedded audio per connection, up to a total of 64-channel/32-channel support
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR support
- 4x independent Mixer/Keyer widgets
- 8x independent 16-ch 48 kHz SDI embedded audio I/O engines
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Full height and half height models
- RS-422 on internal header or bracket with full height model
- LTC input on internal header
- Includes support for Apple Silicon

View Online

Other models available: Corvid 88 Fanless, Corvid 88 Low Profile and Corvid 88 Fanless Low Profile



Corvid 44 12G $4,069

Compact 12G-SDI Power

- 8K/UltraHD2/4K/UltraHD/2K/HD/SD, including multi-channel 4K up to 50/60p
- 4x bidirectional 12G-SDI HD-BNC connections with 16-channel embedded audio per connection for a total of 64-channel/32-channel support for 8K workflows
- RGB 4:4:4 12-bit (4K/UltraHD) and YCbCr 4:2:2 10-bit HFR support
- Up to 12-bit LUT support (.cube)
- Dynamic FPGA Firmware Reconfiguration
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Full height and half height models
- RS-422 on internal header or bracket with full height model
- LTC input on internal header
- Active or passive heatsink
- Includes support for Apple Silicon

View Online

Other models available: Corvid 44 12G Fanless, Corvid 44 12G Low Profile and Corvid 44-12G BNC

Corvid 44 12G BNC $3,795

Compact 12G-SDI Power

- 8K/UltraHD2/4K/UltraHD/2K/HD/SD, including multi-channel 4K up to 50/60p
- 4x full-size bidirectional 12G-SDI connections with 16-channel embedded audio per connection for a total of 64-channel/32-channel support for 8K workflows
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit HFR workflows supported
- Dynamic FPGA Firmware Reconfiguration
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Ref/LTC input on internal header (Analog black burst or Tri-level), RS-422 on internal header
- Active or passive heatsink
- Includes support for Apple Silicon

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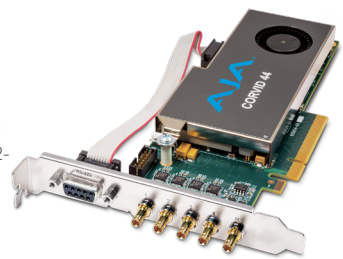
Other models available: Corvid 44 12G Fanless, Corvid 44 12G Low Profile and Corvid 44-12G BNC



Corvid 44 $2,365

Flexible Multi-Format I/O

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x bidirectional 3G-SDI connections with 16-channel embedded audio per connection, up to a total of 64-channel/32-channel support
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit HFR support
- 2x independent Mixer/Keyer widgets.
- 4x independent 16-ch 48 kHz SDI embedded audio I/O engines
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Full height and half height models
- RS-422 on internal header or bracket with full height model
- LTC input on internal header
- Includes support for Apple Silicon

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Other models available: Corvid 44 Fanless, Corvid 44 Low Profile and Corvid 44 Fanless Low Profile

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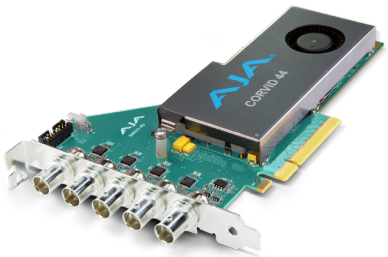

Corvid 44 BNC $2,365

Flexible Multi-Format I/O

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- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x full-size bidirectional 3G-SDI spigots with 16-channel embedded audio per connection, up to a total of 64-channel/32-channel support
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit HFR workflows supported
- 2x independent Mixer/Keyer widgets.
- 4x independent 16-ch 48 kHz SDI embedded audio I/O engines
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Ref/LTC input on internal header (Analog black burst or Tri-level)
- RS-422 on internal header
- Includes support for Apple Silicon

Corvid 22 $1,749

Multi Channel 3G-SDI HD I/O

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- 2K up to 25p, HD/SD up to 60p
- 4x 3G-SDI spigots (2x In, 2x Out) with 16-channel embedded audio
- 2-In/2-Out mode supporting dual video + key or dual down-stream keyers
- RGB 4:4:4 8-bit and YCbCr 4:2:2 10-bit workflows supported
- 2x independent Mixer/Keyer widgets.
- 2x independent 16-ch 48 kHz SDI embedded audio I/O engines
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Includes support for Apple Silicon

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Other models available:
KONA XM Fanless

KONA XM $3,995

Video I/O for AI/AR Medical Devices

- 4K/UltraHD/2K/HD/SD capture and playback, up to 60p
- Ultra Low Latency: Sub-frame delay on processed video output
- 2x uni-directional 12G-SDI connections with 16-channel embedded audio
- HDMI 2.0 input and output, with VESA support with agnostic subsystems video timing
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit support
- Windows and Linux support for OEM applications via the AJA SDK
- In Firmware Microcontroller
- Supports graphics up to 4K/UltraHD with alpha channel
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry, and Luminance via SDI
- HLG and HDR10 HDR support, via HDMI
- Audio accessed through the AJA SDK
- Available in active and passive cooling options

View Online

Other models available:
KONA X Fanless

KONA X $3,695

Next Generation Video I/O with Streaming DMA

- 4K/UltraHD/2K/HD/SD capture and playback, up to 60p
- Ultra Low Latency: Sub-frame delay on processed video output
- 2x bi-directional 12G-SDI connections with 16-channel embedded audio
- HDMI 2.0 input and output, with VESA support with agnostic subsystems video timing
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit support
- Windows, macOS and Linux support for OEM applications via the AJA SDK
- In Firmware Microcontroller
- Supports graphics up to 4K/UltraHD with alpha channel
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry, and Luminance via SDI
- HLG and HDR10 HDR support, via HDMI
- Audio accessed through the AJA SDK
- Optional KONA Xpand board available for expanded connectivity

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Connectivity on KONA 5 Breakout Cable

KONA 5 $4,069

Ultimate Performance

- 8K/UltraHD2/4K/UltraHD/2K/HD/SD up to 50/60p
- 4x bidirectional 12G-SDI spigots with 16-channel embedded audio per connection for a total of 64-channel/32-channel support for 8k workflows
- HDMI 2.0 output, 4K/UltraHD HFR, plus 8K to 4K downsampling
- RGB 4:4:4 12-bit, and YCbCr 4:2:2 10-bit HFR workflows supported
- 8K support for leading editing systems, 8K or multi-channel 4K support for OEM applications with AJA SDK
- Dynamic FPGA Firmware Reconfiguration
- 4K Closed Captioning support
- PQ, HLG, HDR10, HDR10+, and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Includes support for Apple Silicon
- Reference Input on card (Analog black burst or Tri-level)
- Included breakout cable for LTC, RS-422, 8-ch AES/EBU

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KONA 4 $2,495

Powerful HFR Capabilities up to 4K 50/60p

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x bidirectional 3G-SDI connections with 16-channel embedded audio
- HDMI v1.4b monitoring with 8-channel embedded audio, plus 4K to HD downsampling
- RGB 4:4:4 12-bit, and YCbCr 4:2:2 10-bit HFR support
- Real time up, down, cross-conversion (HD/SD)
- 4K Closed Captioning support
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10, HDR10+, and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Compatible with leading creative apps
- Includes support for Apple Silicon
- Included breakout cable for Ref (Analog or Tri-level), LTC
- RS-422, 8-ch AES/EBU
- Extend external connectivity with K3G-BOX breakout box

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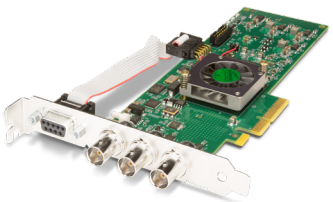

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Other models available:
KONA 1 Low Profile

KONA 1 $825

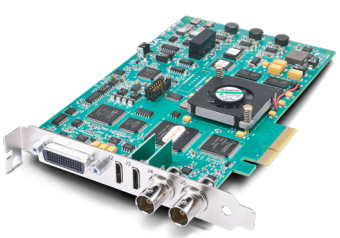
Powerful and Cost Effective 3G-SDI I/O

- 2K/HD/SD up to 50/60p
- 2x 3G-SDI connections (In, Out) with 16-channel embedded audio
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit HFR workflows supported
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- RS-422 support on 9-pin external connector
- Low profile form factor also available with internal RS-422 header
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Compatible with leading creative apps
- Includes support for Apple Silicon

KONA HDMI $1,649

HDMI Capture for Multi-Channel 2K/HD or Dual Channel 4K/UltraHD

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x full-size HDMI inputs each with 8-channel embedded audio
- Simultaneous capture of 2x 4K/UltraHD or 4x 2K/HD
- HDMI 2.0 (port 1 & 2) and HDMI 1.4b (ports 3 & 4)
- RGB 4:4:4 12-bit and YCbCr 4:2:2 10-bit HFR support
- Capture stunning HDR from cameras, game consoles, and more
- PQ, HLG, HDR10, HDR 10+, and Dolby Vision Support
- HDR Metadata Capture
- Video4Linux (V4L2 Color) and DirectShow support
- Compatible with leading creative apps
- Includes support for Apple Silicon



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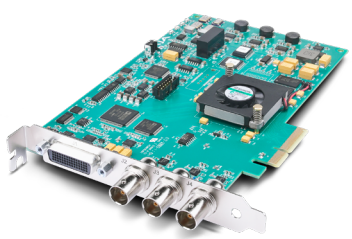
Optional Breakout Box:
Utilize the KLHi-BOX Breakout Box to easily integrate KONA LHi into rackmount environments.

KONA LHi $1,879

Multi-Format Analog and Digital I/O

- 2K/HD/SD up to 50/60p
- 2x 3G-SDI spigots (In, Out) with 8-channel embedded audio
- 2x HDMI v1.3 ports (In, Out) with 8-channel embedded audio
- YCbCr 4:2:2 10-bit and HD HFR workflows supported
- Real time up, down and cross-conversion for HD and SD with pristine 10-bit quality
- Compatible with leading creative apps
- Includes support for Apple Silicon
- Included breakout cable for Ref (Analog or Tri-level), RS-422, 2-ch AES/EBU, Analog composite or S-video, or SD/HD component
- Extend external connectivity with KLHi-BOX breakout box



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Optional Breakout Box:
Utilize the KL-BOX-LH Breakout Box to easily integrate KONA LHe Plus into rackmount environments.

KONA LHe Plus $1,319

HD/SD Analog and Digital Capture and Output

- HD-SDI and SD-SDI up to 1080 30p / 720 60p
- 3x 1.5G-SDI spigots (1x In, 2x Out) with 8-channel embedded audio
- YCbCr 4:2:2 10-bit workflows supported
- Real time HD to SD down-conversion with pristine 10-bit quality
- Compatible with leading creative apps
- Includes support for Apple Silicon
- Included breakout cable for Ref (Analog Color Black or Composite Sync), RS-422, 2-ch AES/EBU, Analog composite or S-video, or SD/HD component, 2-ch analog audio I/O
- Extend external connectivity with KL-BOX-LH breakout box

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THUNDERBOLT 3

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Io X3 $1,759

Thunderbolt 3 Performance from 2K/HD to SD

- 2K/HD/SD I/O up to 50/60p
- 4x bidirectional 3G-SDI BNC with 16-channel embedded audio
- HDMI I/O with 8-channel embedded audio
- Two Thunderbolt 3 ports with loop through
- Multi-channel workflow support for OBS/Wirecast/vMix and other applications
- RGB 4:4:4 12-bit up to p30, YCbCr 4:2:2 10-bit and HFR workflows supported
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10, HDR 10+, and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Multiview output over HDMI, to view up to 4-channels on one screen
- 8-channel Analog audio support via Tascam connection
- Front panel audio display
- Includes support for Apple Silicon
- RS-422 VTR control, Reference, LTC Input and LTC Output

THUNDERBOLT 3

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T-TAP Pro $1,099

Compact, silent, mobile 4K HDR with SDI and HDMI

- 4K/UltraHD/2K/HD/SD Output/Monitoring up to 50/60p
- 1x 12G-SDI BNC with 16-channel embedded audio
- 1x HDMI 2.0 with 8-channel embedded audio
- 1x Thunderbolt 3 connector
- Compact, silent, mobile form-factor with front panel Audio Levels Reference Display
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- 12-bit and 10-bit LUT support (.cube)
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10+, and Dolby Vision Support
- HDR Metadata Auto Playback Detection
- Headphone jack and quick access audio level control for mobile environment

THUNDERBOLT 3

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Io 4K Plus $3,299

Thunderbolt 3 Performance from 4K to SD

- 4K/UltraHD/2K/HD/SD 10-bit I/O up to 50/60p
- 4K/UltraHD HDMI 2.0 I/O with 8-channel embedded audio
- 4x SDI BNC ports and configuration options
  - Four HD/SD 3G/1.5G bidirectional
  - One 4K/UltraHD single link 12G/6G input (SDI 1) and one 4K/UltraHD single link 12G/6G output (SDI 3)
  - Two 4K/UltraHD dual link 3G/1.5G (one input channel & one output channel, two input channels, or two output channels)
  - One 4K/UltraHD four-link 3G/1.5G input or output, Quadrant or 2SI
- Dedicated SDI HD/SD Monitor Output
  - 4K video is down-converted to 2K and UltraHD is down-converted to HD
- Two Thunderbolt 3 ports with loop through
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- 12-bit and 10-bit LUT support (.cube)
- 4K Closed Caption support
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10, HDR 10+ and Dolby Vision support
- HDR Metadata Capture and Auto Playback Detection
- Analog Audio flexibility with a choice of 8-channel In or 8-channel Out or 4-channel In and 4-channel out
- Includes support for the Apple Silicon chips
- Compatible with OBS Studio, vMix, Telestream Wirecast, Adobe Creative Suite, Apple Final Cut Pro, Avid Media Composer, and much more
- XLR 12V power for battery or AC use
- Headphone jack and level control for mobile and live environments
- RS-422 VTR control, Reference, LTC Input

Three Year Warranty

AJA Video warrants that Developer products will be free from defects in materials and workmanship for a period of three 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 postproduction 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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