UC3430

CAMLIVE™ PRO 4K 4-Input HDMI to USB Video Switcher

Video Out

LIVE ● REC

HDMI Sources

OnAir Lite App

Presentation Slides   Camera 1

Camera 2   Camera 3

SOURCE
1 2 3 4

HDMI to UVC Video Switch
UC3430

ATEN

LAYOUT   LOOP OUT   ON AIR

HDMI

CAMLIVE™ PRO 4K   UC3430
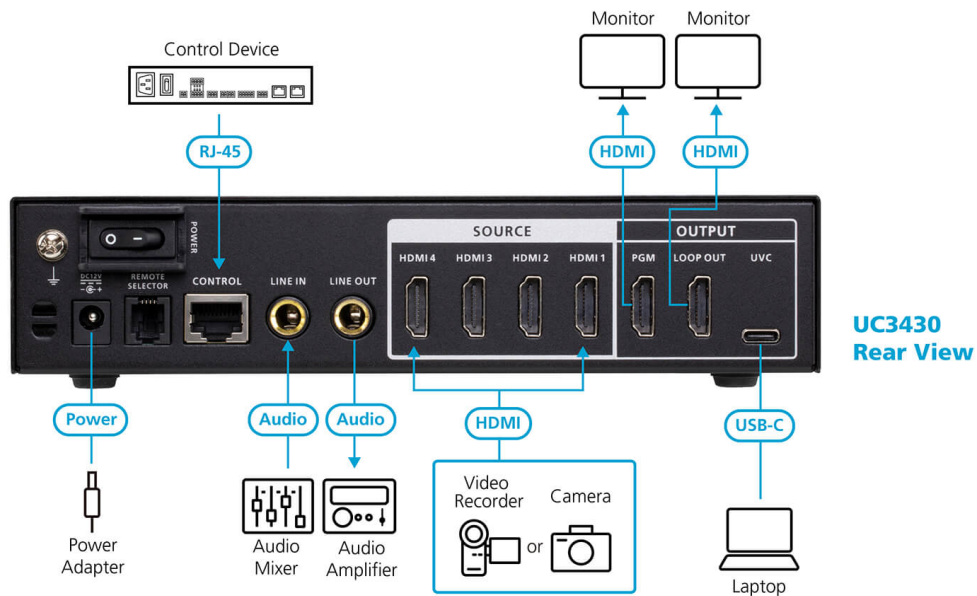**4-Input HDMI to USB Video Switcher**

4K TRUE

Quad Source Capture in True 4K Quality, Enrich with Presentation Effects and Scene Presets

Create Professional Experiences in Meetings and Lectures
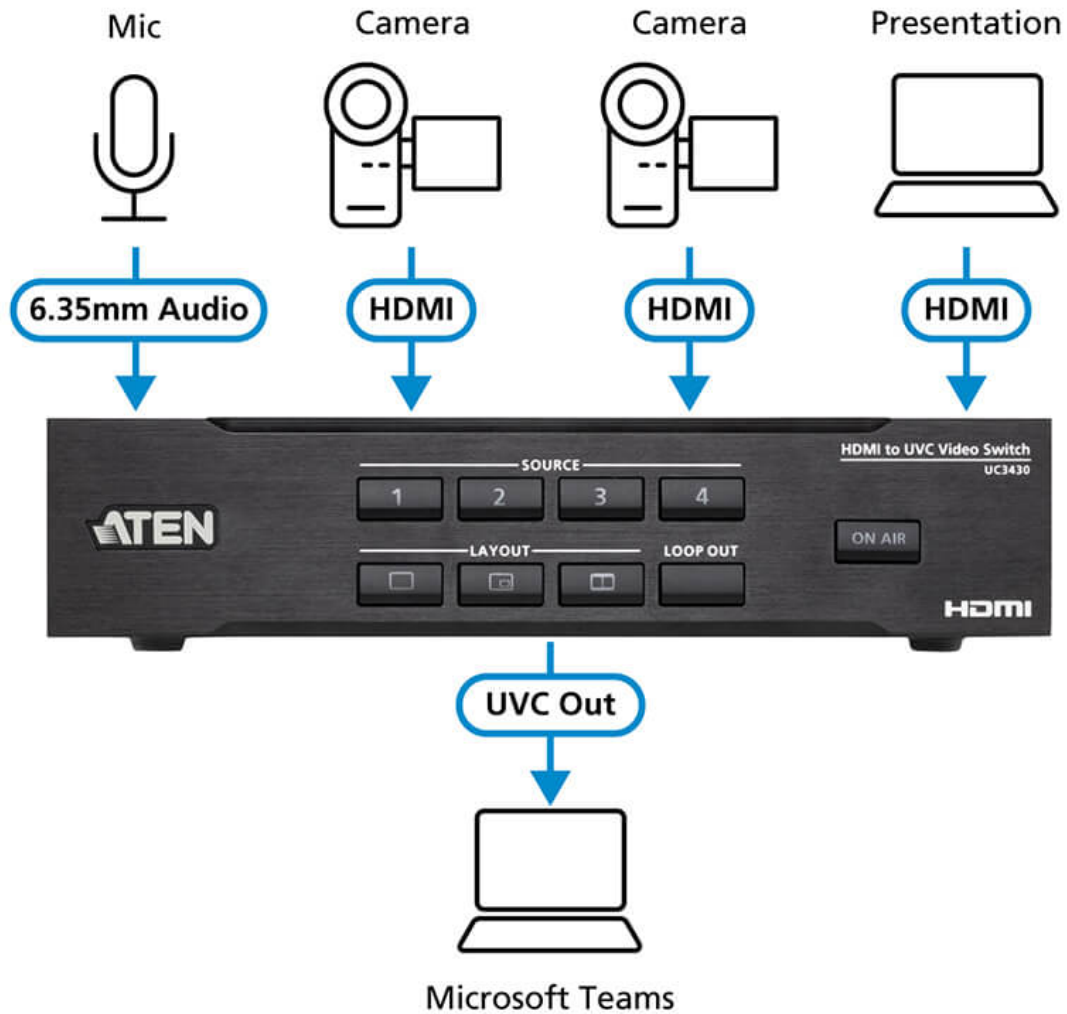
Stream and Transition in a Snap

The CAMLIVE™ PRO 4K 4-Input HDMI to USB Video Switcher captures up to four 4K@60 HDMI inputs, allowing users to blend dual video signals into a single stream. It supports various output options, including 4K@60 HDMI PGM/Loop-through for multi-view screen purposes and 4K@30 USB-C output for live broadcasting on the Internet.

Control Device

Monitor   Monitor

RJ-45   HDMI   HDMI

SOURCE   OUTPUT

POWER

DC12V   REMOTE
SELECTOR   CONTROL   LINE IN   LINE OUT   HDMI4   HDMI3   HDMI2   HDMI1   PGM   LOOP OUT   UVC

**UC3430
Rear View**

Power   Audio   Audio   HDMI   USB-C

Power
Adapter

Audio
Mixer   Audio
Amplifier

Video
Recorder   Camera

or

Laptop

Recommended Usage Scenarios

The CAMLIVE™ PRO 4K can be used in scenarios requiring multiple HDMI input sources. Connecting multiple cameras allows you to effortlessly switch recording sources, capturing every exciting moment. You can also connect different visual sources such as laptops, desktops, and gaming consoles to overlap with the camera feed, creating various live streaming effects. The 6.35mm audio jack enables seamless integration with professional audio equipment, delivering the best visual and auditory experience.
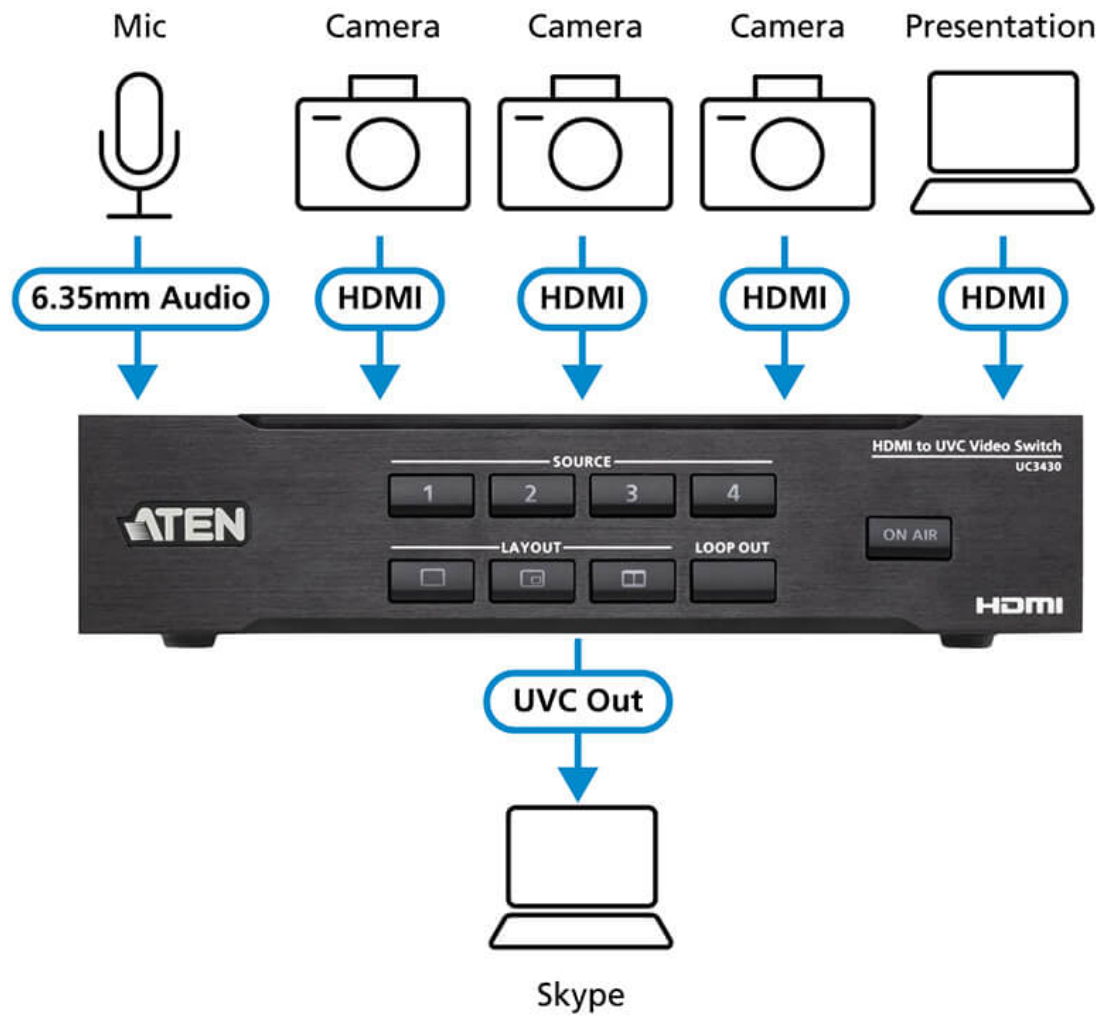

Meeting with
Multiple Input Sources

Live Lecture

Meeting with Multiple Input Sources

In medium to large meeting rooms, two cameras, and two different presentation sources, such as PowerPoint slides and videos, are often used. As the CAMLIVE™ PRO 4K supports 4 HDMI sources, it can optimize the capacity of these sources and seamlessly incorporates both presentation content and important participants into the video during the meeting, avoiding awkward gaps caused by switching.

Live Lecture

The CAMLIVE™ PRO 4K allows large conference rooms to stream professional grade content to global employees and stakeholders through video software. The intuitive front panel control makes it easy for you to quickly switch between multiple HDMI cameras and presentations on laptops. Produce professional content without the need to hire professionals.

Mic   Camera   Camera   Camera   Presentation

6.35mm Audio   HDMI   HDMI   HDMI   HDMI

HDMI to UVC Video Switch
UC3430

ATEN

SOURCE
1   2   3   4

LAYOUT   LOOP OUT

ON AIR

HDMI

UVC Out

Skype

LIVE ● REC

Versatile Deployment in Diverse Applications

The CAMLIVE™ PRO 4K serves as an invaluable asset in streaming high quality content through its advanced video processing capabilities. Its versatility is highlighted by its capacity to be deployed in the following diverse applications.

Conference Centers

Corporate Boardrooms

Hotels and Hospitality Banquet Halls

Government War Rooms

Stream in Style, Unleashing Epic Live Experiences

Quickly complete your program with on-site production and simultaneously reach a global audience through the CAMLIVE™ PRO 4K. Its built-in hardware streaming engine works seamlessly with various software, enabling direct live streaming to multiple social media platforms. With 4 HDMI inputs, capture diverse angles and switch content in real-time. Connect a computer for presentations

for important meetings on Zoom and Teams. Livestream effortlessly on platforms like YouTube, Twitch, and Facebook.

Contact Us

Get a quote for this product or get in touch with our sales experts
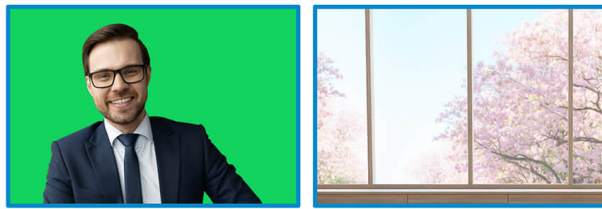
 Get Quote
 Contact Sales

Multi-Cam Mixing with Enhanced Effects

CAMLIVE™ PRO 4K redefines 4K video processing, featuring an intuitive "Scene Priority" preset operation for seamless content switching, mixing, and encoding. What's more, the ATEN OnAir Lite App empowers you to crop, resize, and create Picture-in-Picture effortlessly.

Chroma Keying can be accomplished by utilizing RGB codes, color palettes, or even a color selection tool to precisely select colors from the actual location of the background image.

CAMLIVE™ PRO 4K is your versatile companion for video presentations, and multi-cam mixing with enriched effects. The perfect complement to maximize your creative juices.

Chroma Keying

Picture-by-Picture

Picture-in-Picture

ATEN OnAir Lite Free Control App with Continuously Updated Features

The ATEN OnAir Lite control app allows for controlling, editing in real-time, chroma keying, and arranging multi-elements into your program mix. You can switch and mix video/audio change settings and effects, and save up to 8 scene presets for quick switching. The new version of ATEN OnAir Lite also allows you to upgrade the firmware online. Simply plug the USB cable into the PC from CAMLIVE™ PRO 4K, connect the network to the PC, open the OnAir Lite app, and click the device logo to initiate the upgrade.

OnAir Lite

Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

First Name *

Last Name *

- Country *

Company *

Email *

Phone Number

- Customer Type *

Job Title *

USB-C

4K@30 Capture

4K TRUE HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

PiP/PoP

Audio & Video Mixer

Chroma Key

Features

The CAMLIVE PRO 4K (UC3430) 4-Input HDMI to USB Video Switcher captures up to four 4K @ 60 HDMI inputs, enabling users to mix dual video signals into one single stream while supporting multiple output options, including 4K @ 60 HDMI PGM / Loop-through for preview and monitoring purposes and 4K @ 30 USB-C output for live broadcast on the Internet. The USB-C output supports popular streaming software including Zoom, Microsoft Teams, Youtube, Facebook, GoToWebinar, Open Broadcaster, XSplit Broadcaster, and Twitch on Windows and Mac. Plus, the CAMLIVE PRO 4K features audio mixer functionalities to mix up to 4 HDMI audios and 1 line-level audio for users to add live narration / music to the content, streamlining the production process.

When working with the intuitive ATEN OnAir Lite app, users can remotely control device settings in realtime, from multiple AV source switching / mixing, content cropping / resizing, layout to transitions. Apart from the versatile transition effects, the PiP / PbP / PoP functions and the support for Chroma Key help users create a dynamic presentation that will never bore the audience. In order to amplify brand identity, users are allowed to add logos in PNG / BMP / JPG format to the content. Apart from the app, the CAMLIVE PRO 4K is also controllable through its front panel pushbuttons and RJ-45 port for serial control via ATEN VK Control System.

The CAMLIVE PRO 4K works with a rack mount kit (sold separately) to give installation flexibility in media cabinets or DIT stations. With the switcher's one-stop programming and streaming functionalities that work on Windows / Mac platforms, multi-camera streaming in scenarios in need of sharp, vivid UHD quality such as multi-cam studios, corporate conferences, lecture halls, houses of worship, and live events, has never been so easy.

- Captures 4 channels of 4K @ 60 HDMI, mixes and switches the streams while providing audio mixer functionalities and seamless transition for pro-level broadcasting
- Multiple output options:
  – HDMI PGM / Loop-through at 4K @ 60 for preview and monitoring purposes
  – USB-C output 4K @ 30 for live broadcast on the Internet
- Built-in audio mixer – mixes up to 4 HDMI audios and 1 line-level audio for adding live narration / music to the content
- Versatile control methods via the front panel pushbuttons, RJ-45 port for serial control via ATEN VK Control System, and ATEN OnAir Lite app
- ATEN OnAir Lite app – users can remotely control device settings in real-time, including multiple AV source switching / mixing, content cropping / resizing, layout options (full screen / PiP / PbP / PoP), transitions, Chroma Key, and logo adding
- Compatible with popular streaming software including Zoom, Microsoft Teams, Youtube, Facebook, GoToWebinar, Open Broadcaster, XSplit Broadcaster, and Twitch
- Supports UVC / UAC v1.1
- Plug-and-Play functionality with USB-C 3.2 Gen 1 compliance
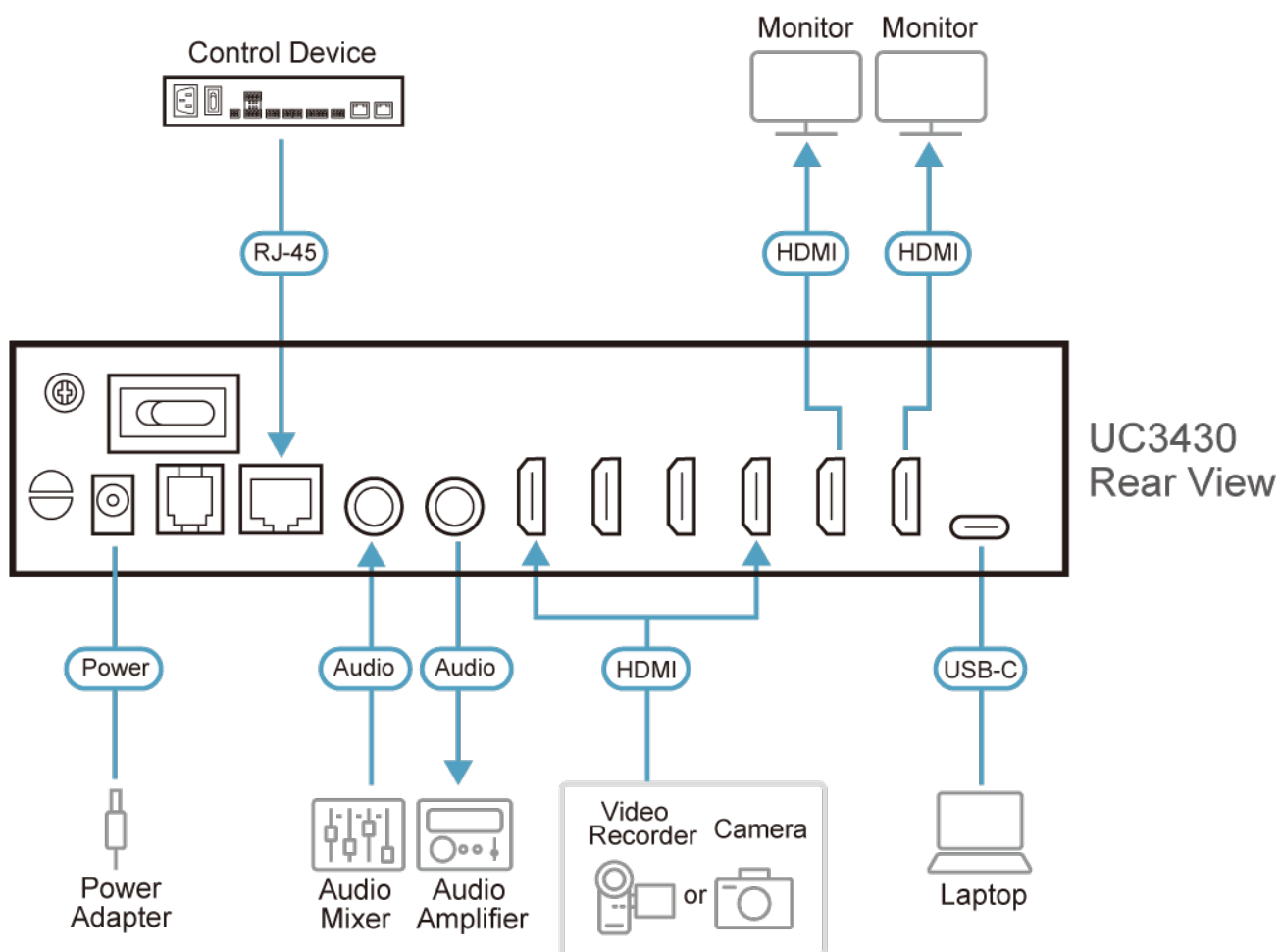- Works with major operating systems: Windows® and Mac OS X®

Specifications

Connectors	
Video In	4 x HDMI Type A Female (Black) (HDMI TMDS compatible and without the support of FRL/VRR/ALLM/eARC. Max. input video resolution up to 3840 x 2160p60 including stereo audio signals only)
USB Port	USB 3.2 Gen1 Type-C Male (Black) (USB-C to USB-C and USB-C to USB-A cable package included)
Video Output	1 x HDMI Type A Female (PGM Video, Black) 1 x HDMI Type A Female (Loop-Thru Video, Black)
Audio Inputs	1x unbalanced audio via 6.35mm TRS connectors (Black)
Audio Outputs	1x unbalanced audio via 6.35mm TRS connectors (Black)
Video Resolution	Video input: 720p50, 720p60, 1080p25, 1080p30, 1080p50, 1080p60 4096 x 2160 25p/30p/60p, 3840 x 2160 25p/30p/60p , HDMI unencrypted
Audio Sampling	16-bit PCM encoded audio at 44.1KHz and 48KHz sampling rates
Output	PGM HDMI video out: 720p: 1280 x 720 25p/30p/50p/60p 1080p:1920 x 1080 24p/25p/30p/50p/60p 2160p: 3840 x 2160 24p/25p/30p/50p/60p, HDMI unencrypted Uncompressed USB video (UVC) stream with audio(UAC) 720p: 1280 x 720 25p/30p/50p/60p 1080p:1920 x 1080 24p/25p/30p/50p/60p 2160p: 3840 x 2160 24p/25p/30p (Uncompressed video stream is only available on USB3.1 connection)
Minimum Hardware Requirements	PC/Mac: CPU: Intel® i3 Dual Core 2.8Ghz or higher RAM: 4GB or more One USB-C interface or USB-A interface
Control	
Contact In	RS-232 connection via RJ45 interface
RS-232	Flow Control: RTS/CTS, XON/XOFF FIFO: 64 bytes Baud rate: 50bps ~921.6Kbps Stop bit: 2 stop bits (9600 8N2) OR 1 stop bit (1,1.5, 2) Parity: no parity Signal: TxD, RxD, RTS, CTS, DTR, DSR, GND
USB	Support ATEN OnAir Lite App, App downloadable from Microsoft Store

System Requirements	Windows 10 and above with UVC/UAC v1.1 support Mac OS X 10.13 and above with UVC/UAC support
OS Support	OnAir Lite App for Windows10 and above only
Power Consumption	DC12V:20.49W:100BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Humidity	0 - 80% RH, Non-Condensing
Storage Temperature	-20 – 60 ºC
Operating Temperature	0 - 40 ºC
Physical Properties	
Housing	Metal
Weight	1.03 kg (2.27 lb)
Dimensions (L x W x H)	20.00 x 16.46 x 4.40 cm (7.87 x 6.48 x 1.73 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

Control Device

Monitor   Monitor

RJ-45

HDMI   HDMI

UC3430
Rear View

Power   Audio   Audio   HDMI   USB-C

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