



clio[®]
Serverless
Video Security

Your Video Backbone

VSaaS with Built-in CRM



ARISAN

| Deployed within 5 Minutes | Compatible with Most Video Devices

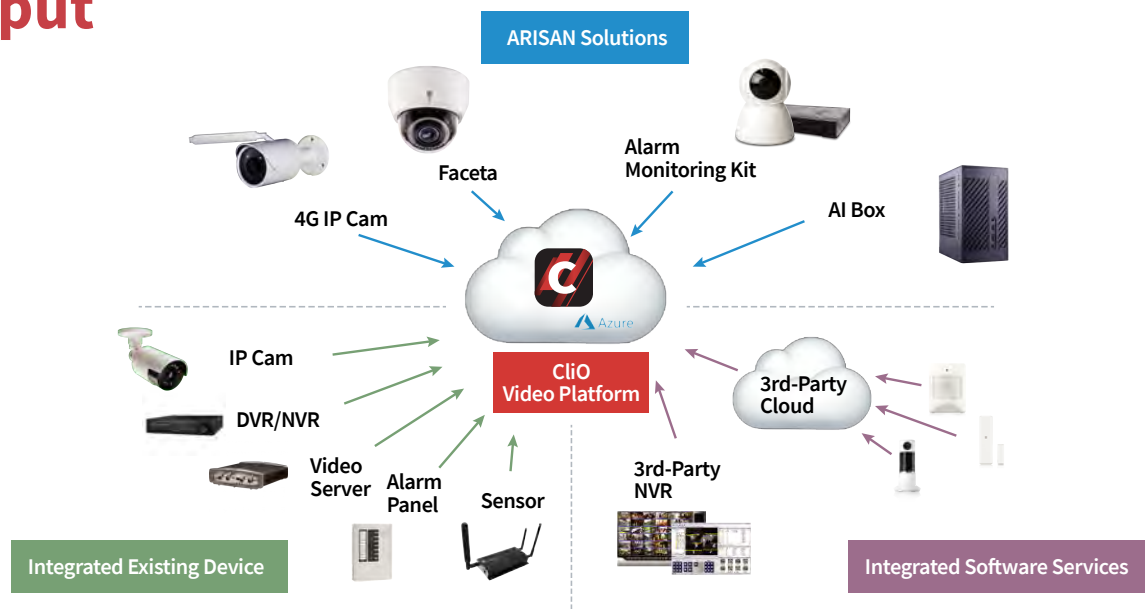
About CliO®

CliO is a cloud-based video surveillance platform. Thousands of on-site video or alarm devices can be managed through a single centralized platform. Integrated with majority of surveillance cameras in the market, a variety of features, such as live streaming, video archive, incident response & notification, health monitoring and telemetry collection, can be set up through browser within 5 minutes. Different from traditional video management systems, CliO's unique structure does not restrict the number of users and projects, which makes installations more flexible and easier to manage.

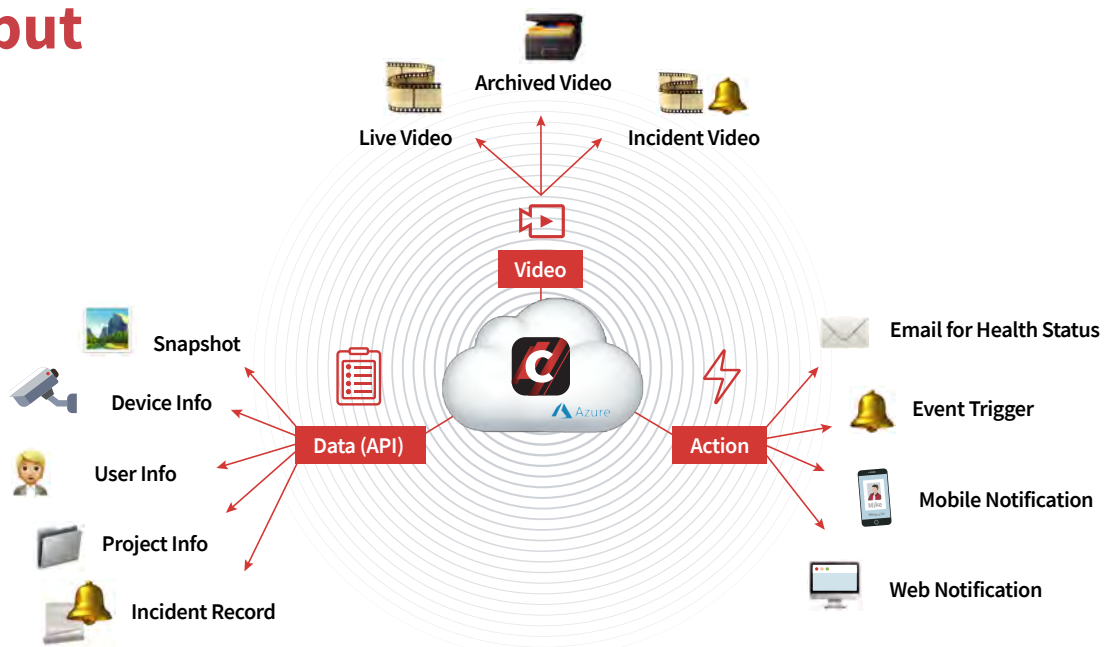
CliO is developed with cloud-native structure and does not require user to establish their own data center or manage

servers, which is a major advantage of CliO. CliO simplifies and expedites the process by automation and could be deployed in a world class infrastructure within minutes. In addition to technical automation, business aspect can also be automated with built-in customer relationship management (CRM) where clients' usage and billing trends are automatically aggregated and clearly presented. Invoices can also be generated and sent automatically on a regular basis making subscription business tremendously easier. With CliO, your organization can now focus even more on your core business.

Input



Output



Benefits



Centralized Management

One platform to manage many devices and projects.



No Deployment

Login and everything is ready.



Security

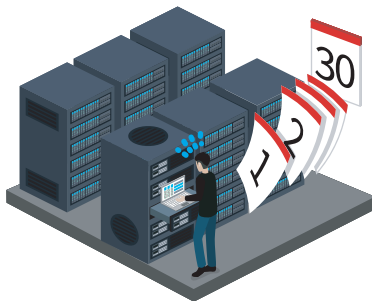
Your important data is safely stored within a world class infrastructure, Microsoft Azure.



No More Maintenance

No server therefore no hassle for installation and maintenance.

Comparision



On Premise

- Server Costs \$
- Storage Costs \$\$
- Video Recording License Fees \$\$\$
- Bandwidth Leasing Charges \$\$
- Hardware/Software Maintenance \$\$\$
- Operation Staff Expenses \$\$\$

V.S.



Cloud

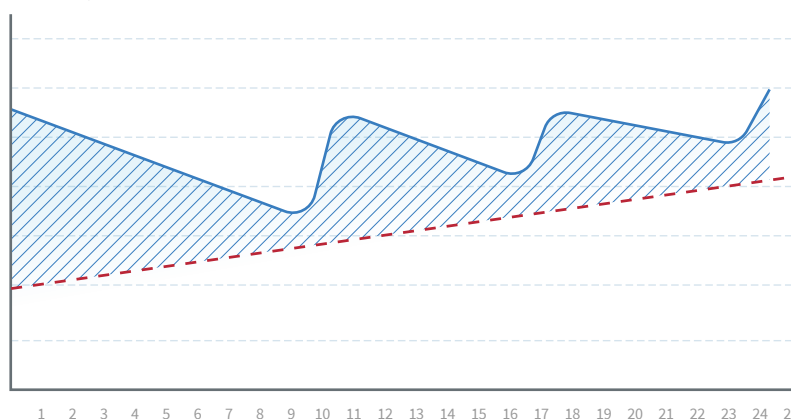
- Server Costs ~~\$~~
- Storage Costs ~~\$\$~~
- Video Recording License Fees ~~\$\$\$~~
- Bandwidth Leasing Charges ~~\$\$~~
- Hardware/Software Maintenance ~~\$\$\$~~
- Operation Staff Expenses ~~\$\$\$~~

Better Cash Flow

Cost

(Amortized Cost)

Amortized Cost over Time



Fluctuating Costs

Predictable Estimates



The area under each curve represent accumulated total cost of ownership for each solution. The shaded area is the amount of cost saved if switching from a on-premise solution to a cloud-based solution such as CliO.

On Premise

Cloud

Features



Live Streaming / Video Recording

In terms of video capabilities, CliO supports not only standard protocols, e.g., ONVIF, Motion JPEG, and RTSP, but also could be integrated with custom video transports upon request. Live broadcast and video archive become available once the video stream is set up on the CliO platform. There is also tools like CliO Bridge that helps save bandwidth by utilizing WebRTC technology.

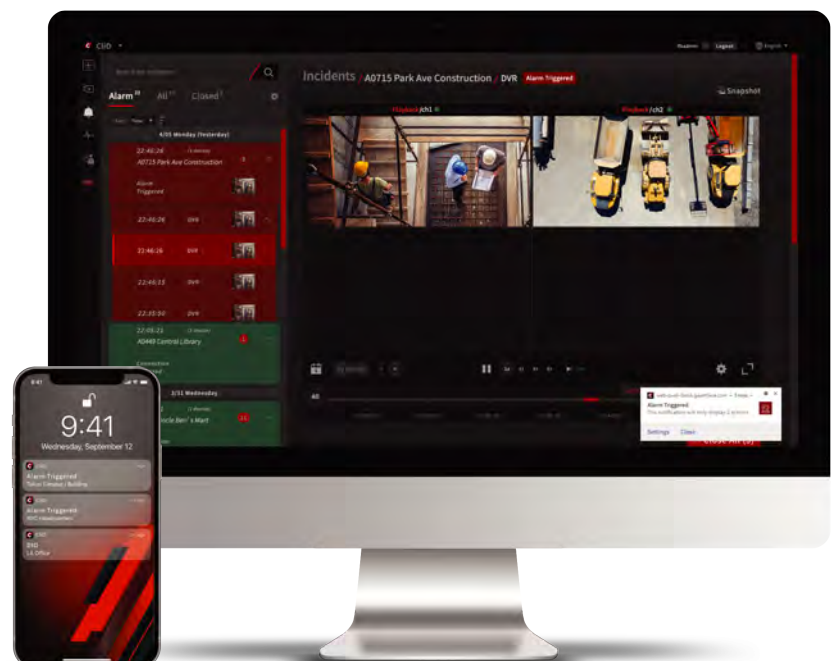
- Live Broadcast / Footage Download / Video Archive
- Intuitive Live and Playback Control with Dragging and Grabbing
- Fast Footage Search by Time or Keyword



Event Management

CliO functions as an event hub that communicates with CliO-standardized format between signal generating devices, such as alarms or cameras, and signal-receiving devices like computers or mobile phones. CliO dispatches incident signals along with videos, snapshot or other telemetry in order to facilitate appropriate emergency response.

- Incident Notifications with Video and Audio
- Easy Access to Video Footage and Live Streaming
- Incident Response for Major Weather Events
- Specially Designed Incident Response Interface to Improve Response Time





Health Monitoring

CliO ensures the statuses of managed devices by periodic health checks. Daily reports are generated automatically so that administrators would have the full control of system's condition and be able to arrange maintenance accordingly in order to avoid any major incident.

- Proactive Device Health Check
- Prevent Unattended Video Loss
- Device Health Records for Troubleshooting

CRM for VSaaS



- Unified login for VSaaS and Dealer Portal
- Automated Billing and Statistics for Monthly Usage for Each Client
- Setup Your Own Sales Network Hierarchy
- Set Prices for Each Client
- Automated Usage History and Set Budget Alerts

Dealer Portal

CliO's dealer portal is a customer relationship management system specifically designed for VSaaS businesses to simplify the billing process. The dealer portal automates infographics which allows statistics analysis by function or by time frame. Invoices are generated and sent automatically on a regular basis.

The dealer portal can be set up with customized sales network hierarchy allowing every level in a supply chain to manage their own service. With the powerful CRM, you are now able to complete the last mile of VSaaS from technology to business with ease.



Q&A

Q: Are there any differences between cloud-based and on-premise software?

Yes, the main differences are scalability and cost structure. Cloud-based solution is more scalable and has more flexible costs.

If a video surveillance business has the potential to expand from 100 cameras to more than 10,000 cameras, it would be important to have a scalable system on day one. CliO owes its scalable and flexible structure to microservices, which results in computing powers not being wasted when usage temporarily decreases and not overloaded when usage spikes. Flexibility and scalability are two major advantages of using cloud solutions, which leads to the flexibility on cost structure and users are able to lower their long term total cost of ownership.

Q: What makes CliO different from other VSaaS providers?

First of all, majority of VSaaS's in the market focus on their own surveillance hardware while CliO focuses on integrating existing devices. Secondly, most of VSaaS's aim to deal directly with consumers or end users, which make it hard for distribution partners like system integrators to add additional value. These partners would normally close a one time deal for VSaaS and its hardwares without a natural continuation of business. However, with CliO, we aim to make our clients succeed by facilitating them with tools like built-in CRM and having CliO's feature set directly relevant to reselling VSaaS.

Q: On-premise installation seems more secure because it is right here in our office. Why would cloud be any more secure?

In common scenarios, customers would think on-premise installation is more secure as it is using local network and all the data are stored at customers' location. However, it takes tremendous amount of time and effort to maintain associated software, hardware, policies and procedures. The cost is usually prohibitively high to afford.

Our IaaS provider, Azure, provides state-of-the-art security and has security controls integrated into the hardware and firmware components with protections against threats such as DDoS. A team of more than 3,500 global cybersecurity experts work together to help safeguard our cloud deployment in Azure.

Q: Why subscription instead of one time purchases?

The subscription model provides better flexibility for your investment. One time purchase seems like a clean-cut solution at first, however, when it comes to future expansion, deployment, operation, long term maintenance or further feature development would all require either different contracts or in-house effort. With a subscription model, deployment, operation, maintenance and bug fixes are all covered. Customers don't have to redo survey when having to implement new features. The subscription model not only saves total cost of ownership but also time and effort on the entire operation.

Specifications

Compatibilities	
CliO-capable Device Types	DVR, NVR, IPCAM, Alarms, IoT Devices
CliO-capable Clients	Chrome, Edge, Firefox
Operation Systems	Windows, Linux, macOS
Live Streaming / Video Recording	
Video Input Transports	RTSP, Motion JPEG, Proprietary Protocols on Request
Video Output Formats	MP4 for Export, HLS or WebRTC for Live Streaming (WebRTC requires CliO Bridge)
Recording Duration (Days)	3, 7, 15, 21, 30, 90, 180
Health Monitoring	
Detection Methods	Active Ping, Passive Heartbeat
Notifications	Email, On Screen
Data Export	Via API, Via UI
Event Management	
Incident Standard	CliO-Standard API
Incident Data Types	Text, Image, Video Recording, Live Stream
Notification Clients	iOS, Android, Windows, Linux, macOS
Dealer Portal	
Organization and User Count	Unlimited
Billing Features	Price Scheduling, Automatic Invoicing, Payment Tracking
Usage Features	Usage History and Trends

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