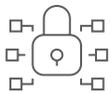




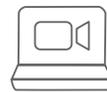
Cloudvue VMS

Cloud-Managed Video, Access and Intelligence



Cyber Secure

Over 50 billion minutes of video stored securely



Redundancy

Store video on premise using edge recording or in the cloud for up to 5 years



Flexibility

Use your own cameras with a gateway or Illustra direct-to-cloud cameras



Scalable

Manage unlimited devices across unlimited locations by unlimited users



Cloud-Based Technology

Easily view and manage multiple sites from anywhere on any device



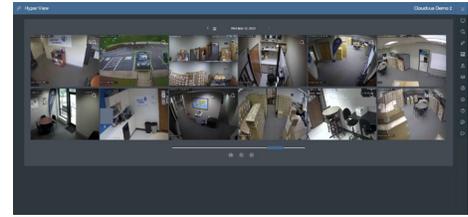
Smart

Cloud-based analytics detect and identify people, vehicles, and motion

Features

Advanced search features

- HyperView enables you to play 24 hours worth of video from up to 100 cameras at the same time in 60 seconds or less.



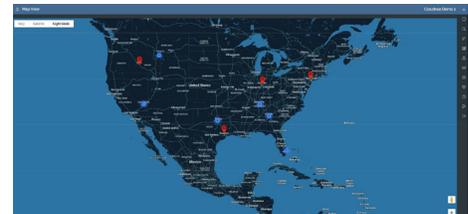
Intelligence

- Cloudvue has built-in cloud analytics which include people detection, vehicle detection and motion detection. Quickly search for important events on its simple and smart interface.



Streamlined Multisite Navigation

- Map View gives you a view of all your cameras worldwide. Click on any location to see the video or use Map View to see the status of your cameras and instantly troubleshoot them.



Graphically Located Camera Maps

- Site View allows you to drag and drop different camera types onto a map of your building and assign live cameras to them. Upload your own blueprints, then view live video from any camera on your floor map with one click.



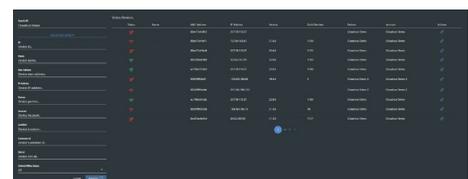
Cloudvue Manager

- Track and report on bandwidth utilization, cloud uploads, cloud storage and much more from the Cloudvue Manager dashboard.



Worldwide Monitoring

- See the status and details of your cameras on a global map and instantly troubleshoot issues as they arise.



Hardware

Cloudvue Gateways let you move your current cameras into the cloud effortlessly and cost effectively. Cloudvue Gateways can connect almost every camera on the market today, so you can use your current cameras or buy the brands you like the most and have them all connected under one centrally managed platform.

Store data locally on cloud cameras or choose from a variety of cloud gateways to meet any storage need. Cloud storage is available with 4K resolution for up to five years. Hybrid storage options are also available.

- TCG4D – 4 channels, 1 TB onboard storage
- TCG16K – 16 channels, 1TB – 2TB onboard storage
- TCG24T – 24 channels, 4TB – 40TB onboard storage
- TCG32P – 32 channels, 4TB – 40TB onboard storage
- TCG40S – 40 channels, 4TB – 40TB onboard storage
- TCG100R – 100 channels, 36TB – 120TB onboard storage



Cloudvue Supports Illustra Direct to Cloud cameras:

Choose from a variety of Cloudvue Illustra C2C cameras up to 8MP and PTZ with built-in storage and smarts - no need to purchase NVRs, backup servers, or bridges. Every camera includes integrated intelligence and supports recording in camera, in cloud or both.

- Illustra Essentials
- Illustra Flex
- Illustra Pro



Clouvue VMS Access Control



Control access to doors, gates, or anything with a lock across an entire organization – all from a browser.

Clouvue works with or without controllers and makes central management of access control more affordable, secure, and available in locations where it was once impossible.

- Allow personnel to conveniently access facilities using their smartphones
- Eliminate cost and reduce security risk of legacy cards, fobs, tags and physical key management
- Securely register and manage ioSmart devices, credentials, and smart keys via the self-service web portal

Why Cloud Access Control?

More Affordable

Clouvue moves expensive hardware and door controllers to the cloud, so even a small business with just a couple doors can afford remote access control.

More Secure

Remove the security risk of lost or stolen key cards, fobs and physical keys. Securely grant and revoke access. Set schedules to assign when and where people can unlock doors. Keep a searchable record that details when people access your buildings and properties.

More Scalable

Clouvue ioSmart access control solution can work in places without traditional network access such as remote gates, trailers, worksites, or sub stations. By leveraging the cloud, Bluetooth and mobile technology, people can simply use the Clouvue access control app on their mobile device to unlock doors.

More Options

Leverage existing investments and upgrade overtime. Clouvue supports legacy key cards and fobs and offers on-network access control solutions.

Access control hardware supported by Cloudvue

TCAKT1 – Cloud-ready, one door controller, single gang mount



TCAKT1M – Cloud-ready, one door controller (KT-1-PCB) and metal cabinet (KT-1-CAB-M)



TCAKTULMT – ioSmart Smart Card Reader and panelless configurable, multi-technology, mullion



TCAKTMULMTKP – ioSmart Smart Card Reader and panelless configurable, multi-technology, mullion with keypad



TCAKTSGMT – ioSmart Smart Card Reader and panelless configurable, multi-technology, single gang



TCAKTSGMTKP – ioSmart Smart Card Reader and panelless configurable, multi-technology, single gang with keypad



Subscriptions

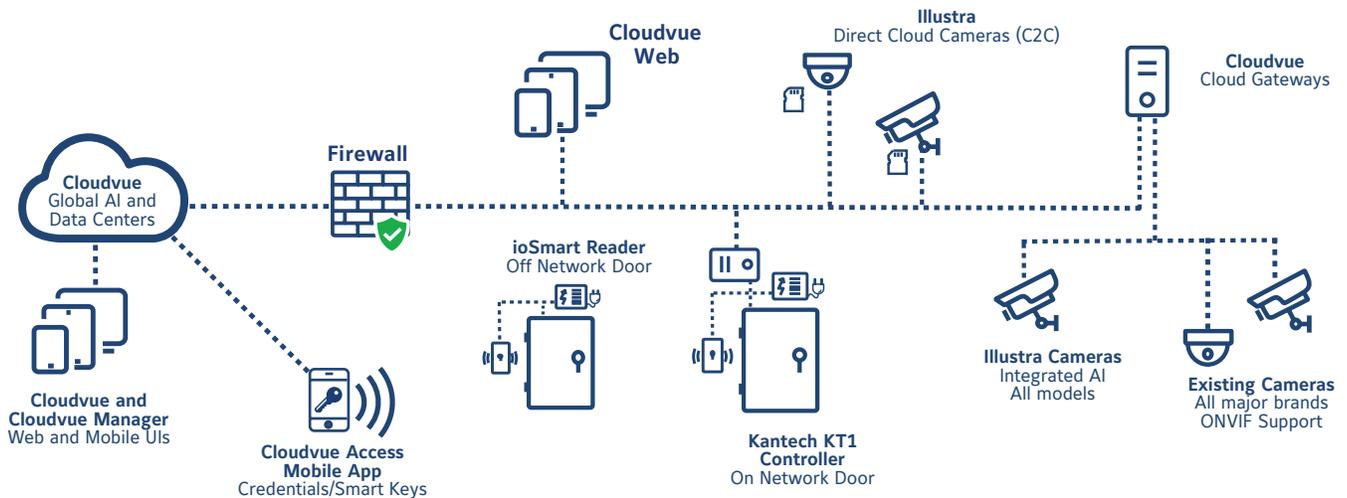
Video Subscriptions

Model Number	Description
TCSVMSA	VMS only subscription, all storage on premise
TCSVHSD	Cloud storage SD subscriptions available from 7 days – 5 years
TCSVHHD	Cloud storage HD subscriptions available from 7 days – 5 years
TCSVH2K	Cloud storage 2K subscriptions available from 7 days – 5 years
TCSVH4K	Cloud storage 4K subscriptions available from 7 days – 5 years

Access Control Subscriptions

Model Number	Description
TCSACONDOORA	Annual controller license
TCSAMOBKRED10A	10 seats mobile credential, Cloudvue Access used in conjunction with KT1
TCSAMOBSKEY10A	10 seats mobile key, Cloudvue Access used in conjunction with panelless readers
TCSAMOBBDUAL10A	10 seats dual credential & key, Cloudvue Access used with either KT-1 or panelless readers

Architecture Diagram



Basic requirements for a Secure Plug & Play installation

1. Cloudvue connected devices automatically use the local premises DHCP network for dynamic IP addressing
2. Standard Firewall Ports 443 & 123 are the only ports required
3. *Optional* Firewall Port 7627 only for remote factory support
4. Certain security policies may require whitelist web traffic for *.cloudvue.com and *.blob.core.windows.net

Ports	Service	Protocol	Direction	Application
443	HTTPS	TCP	Bidirectional	Device authentication & data transport
123	NTP	UDP	Bidirectional	Device time service
7627	SSH Tunnel	TCP	Bidirectional	Device level diagnostics