The Cloudview VDP - A cloud-based Platform that manages and stores Visual Data collected from CCTV systems.
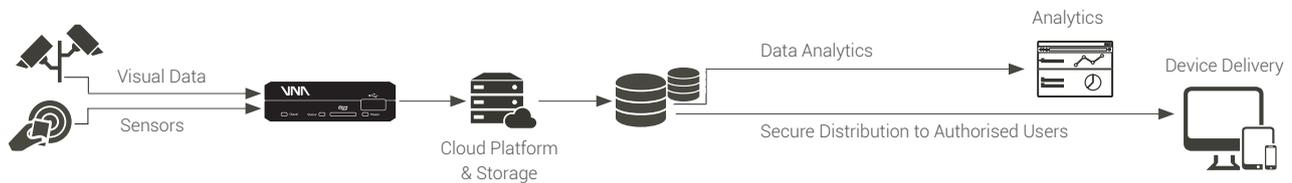

Visual Data — Sensors — Cloud Platform & Storage — Data Analytics — Analytics — Secure Distribution to Authorised Users — Device Delivery

The Future of Visual Surveillance

Secure

Connected to CCTV cameras and legacy CCTV systems Cloudview securely transports visual data to secure, resilient, remote servers. Once stored, it can be used and managed from anywhere on any device.

Visual Network Adapters (VNAs) connect CCTV cameras to the Cloudview service via a Secure Sockets Layer (SSL) for data transfer, establishing a secure tunnel protected by AES encryption. Once data has reached Cloudview it is stored using the AES standard, as used by banks to secure customer data.

Cloudview leverages a high performance, secure, resilient global infrastructure with industry recognised certifications and audits such as SOC 1 Type 2, ISO 27001, PCI DSS, FISMA Moderate, HIPAA, and ITAR compliant controls. Cloudview resides on a secure, isolated subnet, its layered architecture means that only necessary user-facing components are visible to the outside world, visual data is stored internally, away from prying eyes and keyboards.

Client data is stored over several large-scale data centres with military grade physical security measures in place. Cloudview employs significant protection against network security issues such as Distributed Denial of Service (DDoS) attacks, Man in the Middle (MITM) attacks, and packet sniffing.

Reliable

Cloudview uses a highly durable data storage infrastructure service to redundantly store CCTV data across multiple data centres. The service is designed to achieve 99.999999999% data durability and 99.99% service availability.

Consolidated

Visual data is consolidated into a unified online account which can be quickly and easily accessed by any smart device that supports a browser.

Privacy

Sensitive aspects of camera views may be redacted to prevent unnecessary intrusion or the recording of private visual data. The recording parameters of individual cameras may be easily adjusted, or cameras may be switched on or off at any time, to ensure compatibility with purpose.Cloudview provides the additional benefit of motion-based recording so visual data is only captured when something relevant is happening. Video and sound are recorded as separate files to avoid mistaken use.

Irrefutable

Date and time-stamp accuracy is guaranteed by multiple network time protocol servers (NTP) and a dedicated built-in clock (RTC). All images are cryptographically hashed to guarantee authenticity.

Fit for Purpose

Data retention periods can be dynamically varied from a fraction of time to months, or many years, on a per camera basis across an entire organisation. At the end of set retention periods data is automatically, completely deleted

Identifying and accessing visual data is a simple, intuitive process. It may be stored online in secure case files for viewing or downloaded onto removable media or shared via temporary links sent by email.

Compliance

Visual data can be securely accessed, from any device that supports a browser, but only by those users with valid access credentials.

User access and permissions are required for the viewing, downloading, forwarding or deleting of visual data from any camera. These are all controlled centrally by account administrators, making it possible to create and oversee a dynamic compliance policy that caters for varied, and changeable, circumstances without reducing system efficacy.

Features

Secure

protects client data with encrypted bank-level security and frequent firmware updates. No complex configuration or costly VPN required.

Compatible

connects to either analogue or IP cameras - no extra hardware or software is needed.

HD or SD resolution

H.264 at any resolution up to and including 1080p. SD streams from analogue and IP cameras are supported enabling overview from old and new equipment.

Flexible

Use Cloudview's native motion detection to trigger recording of events and alerts, connect external I/O triggers such as PIR's or use a trigger such as an alarm panel.

Resilient

In the event of a camera or connection failure, you'll receive an alert from Cloudview.

Scalable

Once connected to one or many cameras, no further hardware upgrades or licences are required for increased data storage or extended coverage.

Remote Diagnostics

All vital statistics are constantly reported and visible on Cloudview's portal. Reducing costly on-site engineering check-ups and call-outs.

Future-proof

As Cloudview refines performance and develops new features, they're automatically made available.