

VMS-agnostic Video Surveillance Cloud Platform for Enterprises

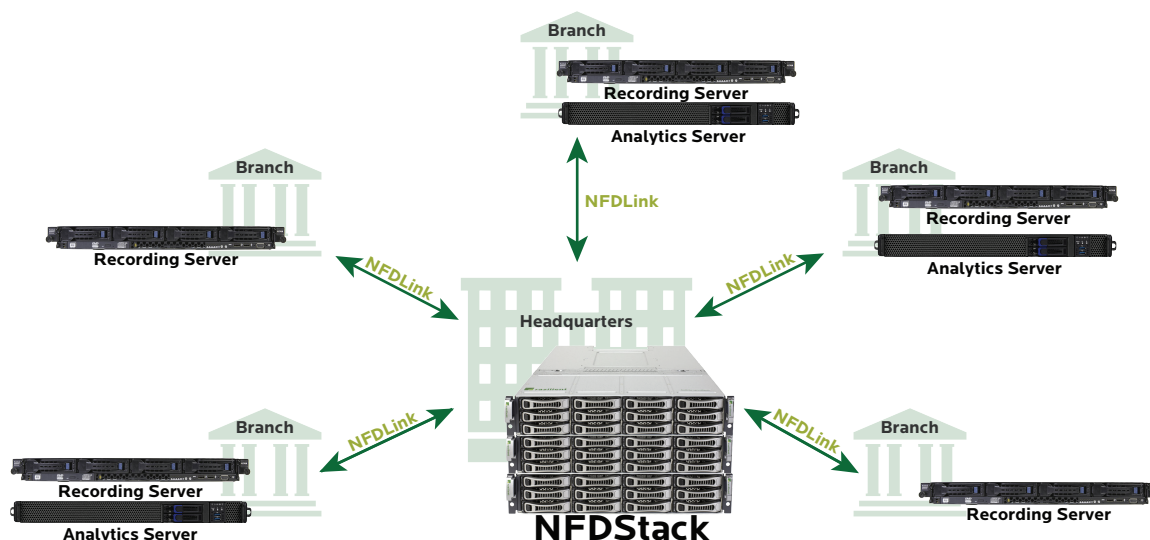
Applications

- Enterprise on-premise video surveillance network and storage system
- Hosted private cloud for video surveillance

Rasient's patent-pending **NFDCloud** is a VMS-agnostic, open-platform cloud video surveillance system. It is ideally suited for enterprises that have multi-branches with video surveillance cameras at each branch. With **NFDCloud**, surveillance recording at each branch office is uploaded via **NFDLink** to the central storage, **NFDStack**. This provides CAPEX savings in each branch office and Headquarters storage, and OPEX savings in centralized storage management and maintenance. OPEX is also achieved with Rasient's patent pending **NFDLink** technology, which enables the use of low cost commonly available broadband or wireless services rather than leased lines or fiber to send the video recording with no degradation in video quality. This architecture provides further CAPEX and OPEX savings as the needs of the enterprise change by providing unlimited scalability to adapt to the changes. For security, **NFDCloud** is based on the latest cyber security technologies, namely 256-bit encryption and TLS v1.2.

Features:

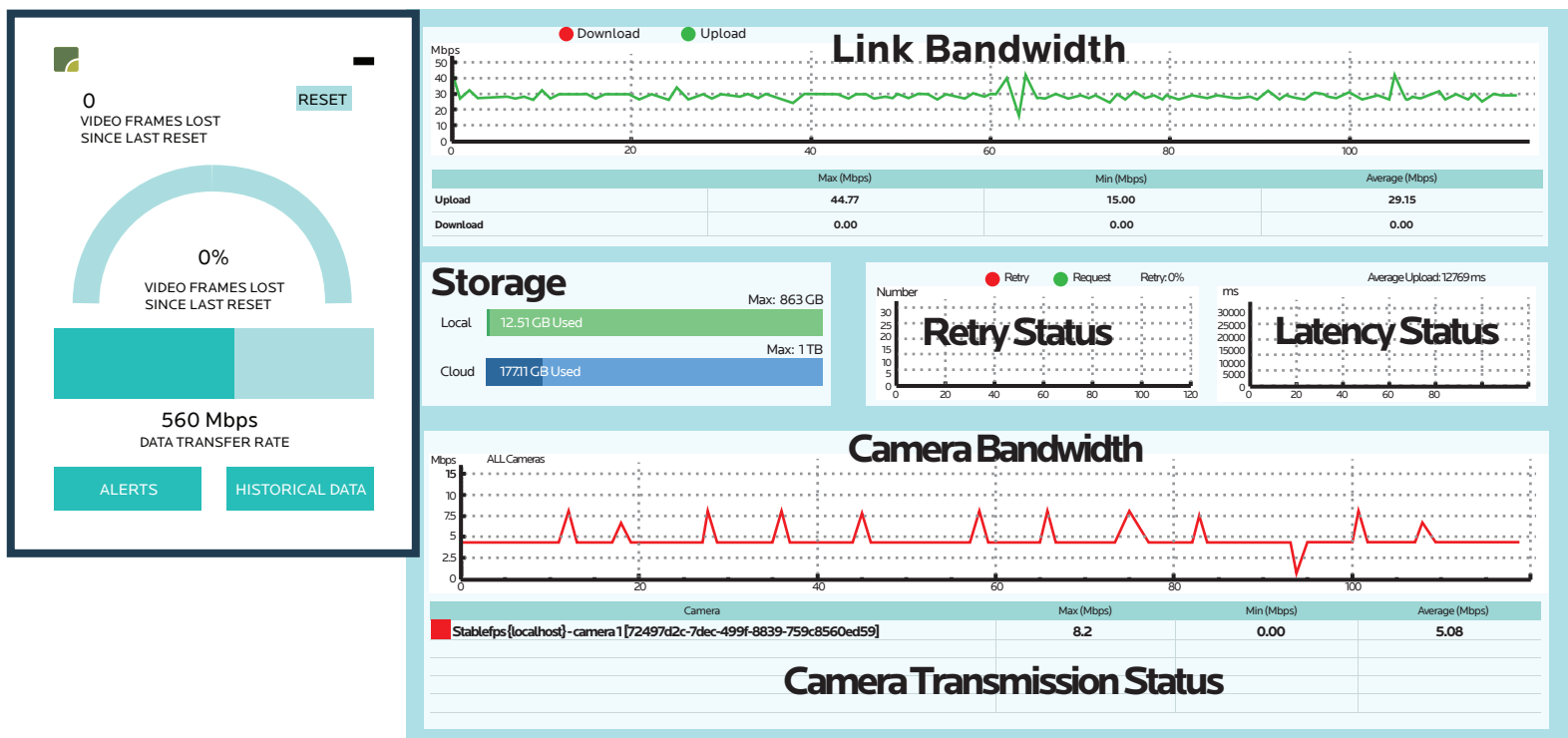
- VMS-agnostic system supporting all available VMS
- Simple lower cost edge video surveillance system with minimum storage
- GUI provides visibility of all system resources
- Utilizing low cost commonly available broadband or wireless services for global connectivity
- Latest cyber security
- OpenStack object storage
- Fully redundant highly scalable centralized storage system with ultra-high data integrity and reliability



NFDLink enables the use of commonly available broadband or wireless services to send video recordings with no degradation for up to 75 cameras over network with bi-directional packet loss of up to 10% and 100ms end-to-end latency. Intelligent end-to-end video caching, multi-thread communications and optimized object size are used to penetrate all available/dynamic networks.

NFDStack is an OpenStack based object storage system using Rasient's award winning NFD™ servers and storage systems. It implements OpenStack's Keystone and Swift services to provide authentication, authorization, and object storage management. Rasient's NFD™ servers and storage systems are all redundant in architecture. For data integrity and reliability, Rasient's NFD™ storage systems implement RAID 5/6 and Rasient's patented Proactive™ technology which enables the system to prevent unrecoverable data loss from multi-drive failures. Rasient's storage architecture allows the system to readily scale according to storage requirements.

The **NFDCloud** GUI provides visibility for the video quality, network, camera, and the storage status.



NFDCloud GUI

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