

NFDHybrid Cloud

A Cyber Secure, Open, Hybrid Cloud
Video Surveillance Service



Product Information Sheet

Rasilient's **NFDHybrid Cloud** is a subscription-based, VMS-agnostic VSaaS that provides both local video and uploads recorded footage to an S3-compatible public cloud of users choice using **NFDLink**. It is used for storage as well as disaster recovery, providing zero-knowledge encryption with **PrivateLok** and high-speed uploading with no video degradation using commonly available wired, cellular, or satellite Internet services. Each branch or edge location is equipped with an **NFDEdge** device to hold short-term video until it is transferred over to the Cloud, offering sizes depending on individual needs. **NFDHybrid Cloud** is architected with cybersecurity at its core and prevents the breaches commonly encountered in a VSaaS environment.

NFDHybrid Cloud takes the guess work out of storage and Cloud costs by combining edge hardware, cybersecurity, transmission and secure cloud storage into one simple subscription. This hosted hybrid solution is an extremely flexible platform and provides unlimited scalability as the needs of an enterprise change.

Features

- VMS-agnostic system supporting all available VMS and their cameras
- Simple and predictable costs with a monthly subscription model
- Flexible retention, pay as you go
- PrivateLok provides user-controlled encryption for uploaded video
- GUI provides visibility of all system resources
- Utilizing low cost commonly available broadband or wireless services for global connectivity
- Latest cybersecurity
- S3 Compatible Public Clouds

Applications

- Enterprise cloud video surveillance network and storage system
- Hosted hybrid cloud for video surveillance
- Simplified multi-site management
- Video backup and storage outside of surveillance, e.g. video production

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NFDLink enables the use of commonly available broadband or wireless services to send video recordings with no degradation over network with bi-directional packet loss of up to 10%. Intelligent end-to-end video caching, multi-thread communications and optimized object size are used to penetrate all available/dynamic networks. It provides two-level encryption with 256-bit encryption and TLS v1.3.

PrivateLok is zero knowledge video encryption that runs on top of NFDLink at the edge. It encrypts the recorded video before sending it to NFDLink for transmission to the Public Cloud. Users define and manage their own unique keys at the edge and are the only ones with access to it. PrivateLok is an optional feature for NFDHybrid Cloud.

NFDEdge is the hardware that sits on the edge and offers choices of NFDEdge5, NFDEdge15, and NFDEdge30 to fit each location's needs. Rasiliient's NFDEdge is shipped with pre-loaded, pre-configured Windows, VMS of choice (purchased through VMS provider), and NFDLink. The installation is simple and straightforward. NFDEdge hardware is provided for the term of the subscription.

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



