Nimbra Edge

Simplify media operations and unlock new ways to monetize your content.

The era of immersive, personalized content is transforming the media landscape. Media Service providers need to rapidly adapt to compete with OTT players for secure and high delivery of live content.

Whether for media contribution or primary distribution, the need to reduce network complexity and gain flexibility while also exploring new ways of monetizing the content, the key is in the cloud.

To swiftly bridge to the cloud, the key is an elastic and robust cloud-based media transport platform that provides tools to manage, orchestrate, and monitor live feeds and events.

This is where Net Insight´s Nimbra Edge platform comes into play, a turnkey service platform that simplifies content delivery and help you reap the benefits of the cloud.

Connect. Manage. Consume.

Nimbra Edge is the ideal solution for broadcasters and media service providers that are seeking alternatives to costly satellite uplinks, purpose-built fiber networks, or proprietary transport solutions.

Connect from anywhere

Ingest live feeds from any location or appliance, from any formats or protocols. Nimbra Edge is an elastic platform with an open architecture that is fully compliant with the latest IP standards.

Nimbra Edge

- Economical
- Pay as you grow
- Simplified operations
- Gain flexibility and agility
- Improve collaboration and efficiency
- Trust by design

Manage easily

Always stay in control over the distribution of your content. Nimbra Edge is reliable platform that delivers uninterrupted, high quality delivery over IP networks. Your live video workflows are always reliable, even on unmanaged network.

The platform is built on an intuitive and intelligent user interface that allows you to manage your content via automatic workflows and ensure they are distributed without disruption. You can watch feeds in real-time from Edge or a CDN egress point , and automatic alerts can be set for specific monitoring thresholds.

Consume in real - time

With a pay as you grow model that adapts to your needs, you are staying in control. Our set of analytics tools allows you to monitor and predict for better monetization.

As a result, Nimbra Edge is the most reliable and easiest way to bring content in from the field and get it to air quickly.

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Key Features

Nimbra Edge is a future proof, open and scalable platform that includes the following elements:

Elastic

A microservice architecture running on Kubernetes clusters that bring elastic, timing aware ultra-low latency transport and media processing for high quality streaming of premium content across hybrid clouds.

Secure and reliable

Take control of your media transport by providing ARQ and 1+1 hitless redundancy across your network. Protect your streams with end-to-end encryption throughout your delivery as well as state of the art authentication, authorization and audit.

Edge Connect

A Docker container that can be deployed anywhere to connect content from any physical/virtual hardware or standalone software to the Nimbra Edge cloud over any IP infrastructure, which enables customers to consume and monetize content as they want.

Orchestration

Simplify your user management by creating users and groups to secure your rights management across any input and output. Keep track of your stream performance with our monitoring tool and real-time alarm visualization. Connect inputs and outputs through an automated workflow.

REST API

Utilize our REST API by integrating our orchestration tools into any preferred workflow to customize your experience and building services around AI and ML from our analytics data.

Customer Benefits

Economical: reduce by 70 % satellite cost

Pay as you grow: Pay only for the resources you need, when you need them and get peace of mind.

Simplified operations: connect from anywhere (any vendor platform, any formats) and centralize live stream acquisition, orchestration and distribution flexibility.

Gain flexibility and agility by scaling up and down the cloud infrastructure or make use of the automated flows.

Improve collaboration and efficiency with an intuitive user interface that delivers monitoring and analytics reports on feeds consumptions.

Why choose Net Insight?

Nimbra Edge is built upon our Net Insight 20+ years' **experience in media transport.**

Future proof, open and scalable, this consumer grade solution supports all major retransmission protocols and have designed it for scale.

With Nimbra Edge, we have put **simplicity at core**. Where video come first. Easy to start, easy to Implement, easy to manage, you can deploy it on prems, any cloud or in a private cloud.

Trust by design, you can secure your content end to end as you move your revenue generating content to the cloud.

TECHNICAL SPECIFICATIONS

Input formats	Container format: SMPTE 2022-2 (SPTS or MPTS) Transport format: RTP, UDP/IP TR-01
Networking	Redundancy: Seamless Protection Switching (SMPTE 2022-7), Highly Available Kubernetes Cluster Security: 128 bit AES encryption, RIST PSK and DTLS
Performance monitoring	Video: ETR 290, TR-101 290 Priority 1 & Priority 2, Transport Stream information for PAT, PMT, PCR, NULL Packets, Video, Audio and Data stream details, Thumbnails IP & Ethernet: Packet counters, loss, delay, delay variation
Management	Network Manager and Stream Manager: Graphical Web UI NMS Support: Network Manager for Appliances, Provisioning & Performance, Direct link to Appliance web interface
Appliance Support	Nimbra VA 225 support Nimbra 410 support Nimbra 412 support
3rd Party Integration	Edge Connect for Ingress Edge Connect for Egress

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