



Nimbra Edge

Cloud-based IP media transport platform

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Live IP media workflows are rapidly shifting towards scalable open platforms that provide mission-critical transport services to reduce network complexity, gain flexibility and discover new ways to monetize your content.

Natively adapted for contribution, production, and distribution cases, Nimbra Edge is a robust live media transport platform that works seamlessly through different IP networks.

Open platform. Endless potential

Nimbra Edge can be deployed on any public, private or hybrid cloud environment. In combination with support for multiple protocols and the flexibility to integrate with third-party appliances, Nimbra Edge facilitates the transport of content across your media ecosystem.

Ubiquitous solution

Ingest your content from the nearest location and reach your target destinations wherever they are with a hassle-free solution that you can rely on.

Nimbra Edge includes stream protection and encryption built on a high-availability infrastructure to ensure your content is preserved with maximum resilience in mind. With synchronized playout, you can deliver content to all destinations at the same time.

Streamlined interface

Manage all your live media workflows from a single graphical user interface with simple and powerful functions. Interoperate with external services with a standard-based reference API.

- Carrier-grade routing service
- Open distributed platform
- Broad protocols support
- Unified graphical interface
- Advanced monitoring

Responsive monitoring

Whether you ingest or egress highly valuable live content to several distributed locations, it becomes essential to have a solution that provides immediate feedback when you need it.

Nimbra Edge incorporates an intuitive visualization dashboard to give you full control of your media workflow from the source to all your destinations in one single place.

Equipped with advanced live transport monitoring metrics throughout the entire chain and a responsive alarm system, the platform reduces substantially your operational tasks.

Flexible business model

With a pay-as-you-grow model, you are under control. Use resources when you need them and track usage with real-time analytics for better monetization.

Nimbra Edge is the ideal solution for media companies looking for alternatives to costly satellite uplinks, purpose-built fiber networks, or proprietary transport solutions.



Key Features

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

Elastic

Based on a microservice architecture, the platform adapts according to your needs while providing ultra-low latency transport and media processing for high quality streaming of premium content in all cloud deployments.

Secure and reliable

Take control of your media transport by providing ARQ and hitless protection throughout your network. Enable full stream encryption and monitor your workflows with advanced live monitoring, alarm and audit systems.

Easy content management

Bring live streams from and to any location with our open platform supporting all main transport protocols. Extend the capabilities of your existing appliances with our complete cross-platform solution to provide end-to-end transport metrics and synchronized playout delivery.

Solid orchestration

Simplify user management by creating users and groups to secure your content rights. Create input and output routing services easily through automated workflows that expand multiple geographical regions. Keep track of your live streams performance with our monitoring and real-time alarm visualization solution.

Customer Benefits

Simplify operations

Minimize operational tasks with a unified interface that provides you a detailed overview of all your media workflows with advanced monitoring under your control.

Keep cost-effectiveness

Reduce substantially your media transport expenses with our pay-as-you-grow model, utilizing only the resources you need at any given time.

Gain flexibility

Adapt to current demands with a customized solution that offers high availability and resilience. Secure content acquisition and delivery on any major transport protocol.

Improve efficiency

Reach new audience and explore additional revenue streams for your live media with a robust user and content rights management system.

Why choose Net Insight?

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

Future proof, open, and scalable, Nimbra Edge is a broadcast-grade solution that supports all major transport protocols with a scalable design.

Simplicity is the cornerstone of our Nimbra Edge platform. Easy to deploy on any cloud, intuitive to manage all your live media workflows, and effective monitoring capabilities for daily operations.

With a thorough design, secure your content to any audience across the globe as you transition your revenue-generating content to the cloud.

Technical specifications

Input / Output	Retransmission protocols (ARQ): RIST, SRT, Zixi. Container formats: MPEG-TS, FLV.	Transport protocols: UDP, RTP, RTMP. IP transport protocol: SMPTE 2022-2.
Networking	Seamless Protection Switching (SMPTE 2022-7). Security: ARQ tunnel and stream encryption.	Public, private, hybrid cloud deployments. High availability and scalable system.
Performance monitoring	ETSI TR 101 290 Priority 1 & Priority 2 measurements. ARQ retransmission live statistics. MPEG-TS stream information.	Graphical end-to-end routing service overview. Network analytics, alarms and audit logs. Thumbnail and stream preview.
Management	Unified web-based graphical user interface. Appliance management configuration. Standard-based reference API.	Role-based user and group management. Web-based network settings. Multi-region configuration.
Appliance support	Nimbra VA 225 / N400 family.	Third-party appliance integration.

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The information presented in this document may be subject to change without notice. For further information on product status and availability, please contact info@netinsight.net or visit www.netinsight.net.

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