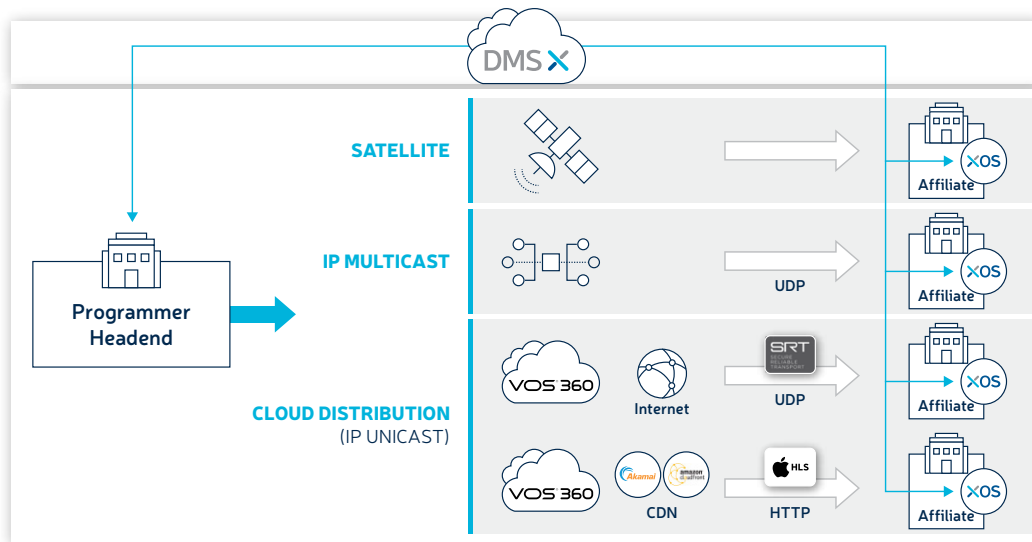# DMS™ X

VIDEO DISTRIBUTION MANAGEMENT SYSTEM

Harmonic® Distribution Management System® (DMS X): Empowering Broadcasters with Advanced Content Distribution Solutions

In an era dominated by rapid digital transformation, the Harmonic Distribution Management System (DMS X) emerges as a pivotal solution for broadcasters and content providers navigating the complexities of content distribution. This cloud-based SaaS platform enhances operations within extensive XOS edge device networks, revolutionizing the delivery of content across Satellite, Managed IP, and Open Internet. With its robust entitlement controls and seamless integration capabilities, DMS X not only secures content delivery but also facilitates the shift from traditional satellite systems to more flexible IP-based distribution methods.

DMS X is equipped with powerful, user-friendly GUI tools that simplify the administration of vast device networks. Its customizable database along with advanced searching, filtering, and sorting tools empower broadcasters to efficiently manage and control thousands of devices. This innovative system supports the modernization of distribution networks, ensuring scalable and efficient content distribution tailored to meet the dynamic demands of the affiliates.

Backed by 24/7/365 support from dedicated DevOps teams, DMS X guarantees that your operations are always up-to-date and running smoothly. Quick and straightforward account setup provides immediate access to its comprehensive features, allowing broadcasters to enhance their operational capabilities without delay.

Customer Benefits: Enhancing Operations and Revenue Generation

Edge Device Management
- Centralizes control of large amount of devices.
- Remote updates and monitoring of devices, ensuring high service reliability and customer satisfaction.

Flexible Channel Management
- Per device Authorize and de-authorize channels
- Customize authorized channel for each remote site (codec, resolution, etc.)

Dynamic Content Customization
- Boosts viewer engagement through real-time graphic insertions.
- Includes tickers, ads, and regional program switching capabilities.
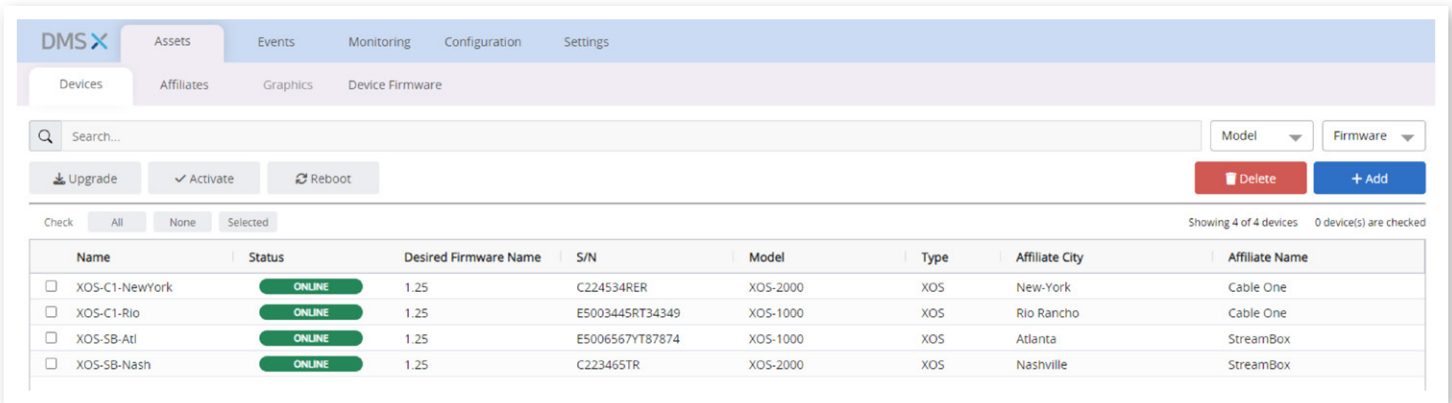
IP Distribution Efficiency
- Facilitates smooth migration from satellite to IP.
- Ensures quick global reach and significantly reduces distribution costs.

Automated Event Scheduling
- Automates operations such as regional blackouts.
- Enhances precision and reliability of content delivery across regions.

Operational efficiency
- SaaS solution, pay as you grow.
- Simple and quick activation
- Scalable from very small to multi thousand of devices / remote sites.

Supported Primary Distribution Workflows

Satellite, IP Multicast, SRT and HLS/CDN

Support any combination of workflow

Convenient for migration from Satellite to IP

System control and access

SaaS running in the public cloud.

Multiple user levels for controlled system access

Automatic or manual database backup

Device Configuration

Over-the-air device management Service

DVB-S2X and IP input configuration

Flexible device license management

Channel configuration includes passthrough, transcode, decode, DPI tier filtering

Regional blackouts and spotlight

Replacement / Local content

HTML5 graphical insertion

CA entitlements

Firmware Upgrade

Firmware upgrade of remote receivers

Upgrade of a single device, a group or all devices simultaneously

Supported Devices

XOS (Small, Medium, Large, Extra Large)

Automated operation by event scheduler

Any operation can be pre-scheduled for delayed execution

Recurring operations — daily, weekly, monthly schedule

Full control of command transmission period and activation time

Active tasks snapshot view

DMS X SaaS

Available as soon as registration is done.

Pay per usage.

24/7/265 supported by Harmonic Devops

Highly resilient based on Cloud Native technology

XOS Monitoring

Heartbeat

Alarms / Notifications

Telemetry

User Interface

State-of-the-art intuitive WEB GUI allows easy control over large device populations

Advanced navigation, searching and filtering tools

Customized dashboard view for system monitoring

Diagnostic tools and Auditing / Reporting

System alarms view with sort / filter support

Event log records every transaction in the system

User activity log for all users

Command history per group/device

System generated audio-visual alerts

Custom reports

Content Security and Authorization

Open-system interface with all major DVB-simulcrypt CA systems

DVB-CI compliant descrambling

Subscriber management and CA entitlements per device or groups of devices

Device Administration and Grouping

Central database manages all device-related information

Customizable device group attributes

Device grouping by applying filters on attributes

Flexible addressability by device or group

Easy add / remove / edit of single or multiple devices

Import device and affiliate information from Harmonic OneCare portal and from file

Integration with third party NMS

API offering full access to DMS X features