NovelSat
Making Space in Space

The Safest Way to Share Your Content
Cutting-edge, secured satellite network solution for professional delivery of broadcast data and video

The NovelSat ProtCASTER™ platform is an innovative, two-layer approach that provides both the **security** you need to ensure your content is not viewed by unauthorized sources, and the **protection** that comes from knowing that a receiver's viewing rights are based on entitlement information defined per video channel.

With ProtCASTER, you can make sure that only your intended audience receives your content. The solution is designed to meet the needs of professional contribution broadcasters who are concerned about content rights and want to make sure that content is blocked from unauthorized sources – while utilizing even less bandwidth.

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Safeguard Your Content
NovelSat ProtCASTER is the most unbreakable DRM solution on the market today, offering the unique added value that comes from:

Security: Encryption keys are sent automatically and content can be opened only by authorized entities.

Protection: While content may include multiple video streams, each receiver can only open the specific video channels that have been purchased.

Pre-Schedule Events
With its Scheduler & Booking interface, NovelSat ProtCASTER allows you to pre-schedule broadcast events and book the necessary resources and permissions, to facilitate the smooth and secured streaming of content.

Adopt a Holistic Approach
ProtCASTER manages the entire NovelSat Satellite Equipment product portfolio, including the NS-3000 modem, NS-2000 demodulator and NS-1000 modulator – so you can leverage your current NovelSat equipment and benefit from the most advanced capabilities for content security and protection.
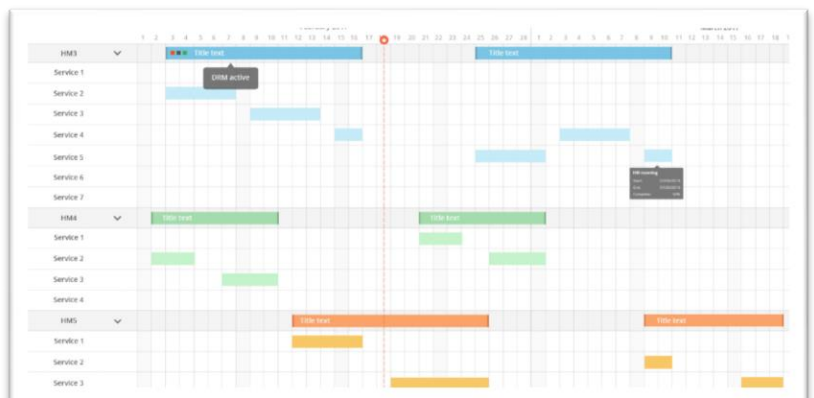
Manage Your Destination List
Operators can make changes on the fly and secure content in a single, easy-to-use interface that offers a unified view over the entire destination list. With ProtCASTER, you can easily check which receivers are registered to open and decrypt content, and determine if the latest security and protection information has been provided to all takers and receivers in real time.

Features
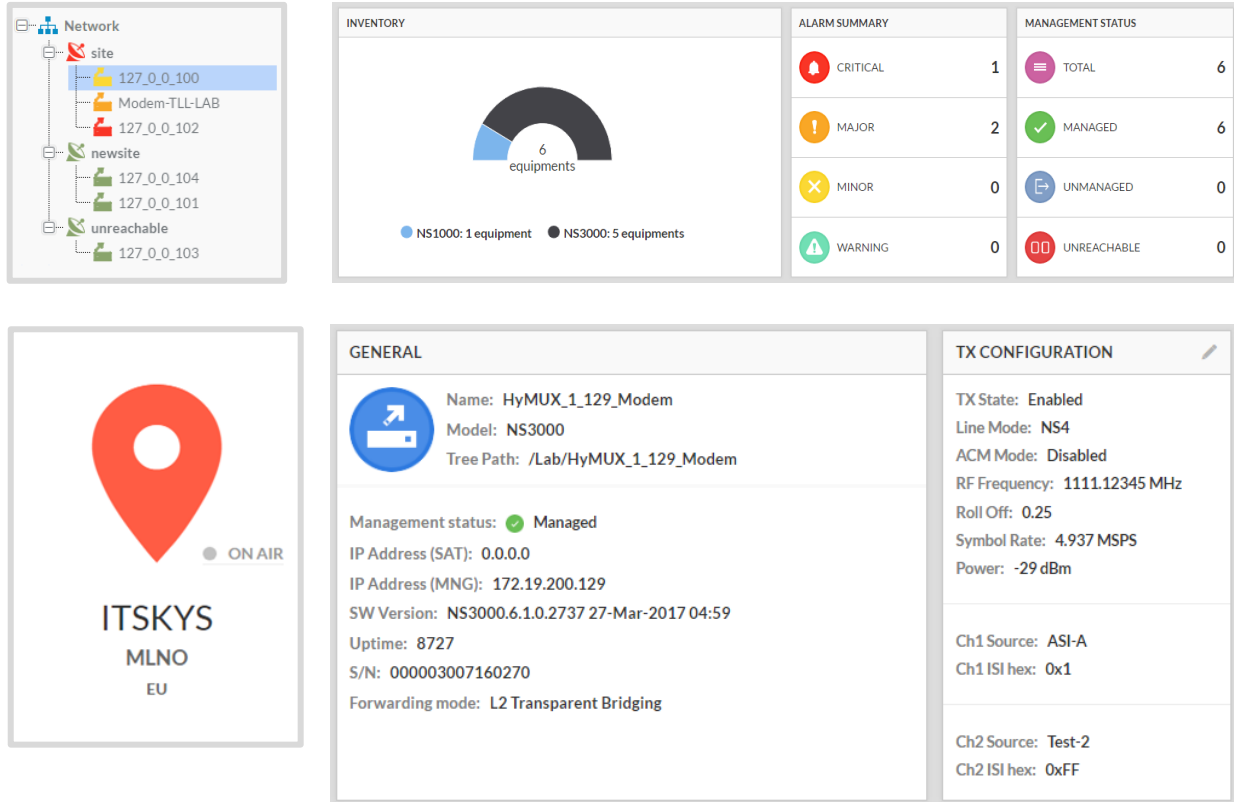
- Content security and protection
- AES-256 encryption
- Entitlement options including protection per TV channel (PID)
- Software-based, fully automated platform
- Secured OTA channel for exchanging AES keys
- NMS-DRM end-to-end orchestration
- Scheduler & Booking interface
- Scalability and reliability
- Satellite communication over NovelSat NS3/NS4, DVBS2 and DVBS2X

Scheduler & Booking

INVENTORY

6 equipments

● NS1000: 1 equipment   ● NS3000: 5 equipments

ALARM SUMMARY

🔔	CRITICAL	1
❗	MAJOR	2
❌	MINOR	0
⚠	WARNING	0

MANAGEMENT STATUS

📋	TOTAL	6
✅	MANAGED	6
↪	UNMANAGED	0
🔢	UNREACHABLE	0

Network
- site
  - 127_0_0_100
  - Modem-TLL-LAB
  - 127_0_0_102
- newsite
  - 127_0_0_104
  - 127_0_0_101
- unreachable
  - 127_0_0_103

GENERAL

● ON AIR

ITSKYS
MLNO
EU

Name: HyMUX_1_129_Modem
Model: NS3000
Tree Path: /Lab/HyMUX_1_129_Modem

Management status: ✅ Managed
IP Address (SAT): 0.0.0.0
IP Address (MNG): 172.19.200.129
SW Version: NS3000.6.1.0.2737 27-Mar-2017 04:59
Uptime: 8727
S/N: 000003007160270
Forwarding mode: L2 Transparent Bridging

TX CONFIGURATION

TX State: Enabled
Line Mode: NS4
ACM Mode: Disabled
RF Frequency: 1111.12345 MHz
Roll Off: 0.25
Symbol Rate: 4.937 MSPS
Power: -29 dBm

Ch1 Source: ASI-A
Ch1 ISI hex: 0x1

Ch2 Source: Test-2
Ch2 ISI hex: 0xFF

ProtCASTER Dashboard

About NovelSat

NovelSat is a technology company dedicated to providing the next-generation standard for satellite communications. NovelSat is a technology company dedicated to providing the next-generation modulation standard for satellite communications. NovelSat supports DVB-S, DVB-S2 and DVB-S2X standards and also offers the superior spectral efficiency of its NovelSat NS4 high-end efficiency satellite transmission software package which is available in all NovelSat satellite modulators, demodulators and modems. NovelSat technologies deliver the fastest data rates, the satellite industry's most compelling ROI and the most scalable transmission solutions from 64Kbps to 850Mbps on a single modem.