

NMS Product Introduce



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Foreword

- This course is mainly:
 - Describe what is NMS
 - Describe NMS common function

Course Objective



Understand and know what is NMS



Be familiar with NMS main function



Know the main function configuration methods of NMS

Through this course
you will be able to

Contents

- 1 Chapter One About NMS
- 2 Chapter Two NMS Introduce

Chapter One About NMS

01

About NMS



DINSTAR Network Management System (NMS) is an integrated management platform based on cloud architecture, which can centrally manage, monitor and troubleshoot of DINSTAR devices.

The NMS system integrates a series of management and maintenance functions to reduce the management costs and improve the efficiency



Device Monitoring



Alarm Push



Auto Deployment



Remote Diagnostics

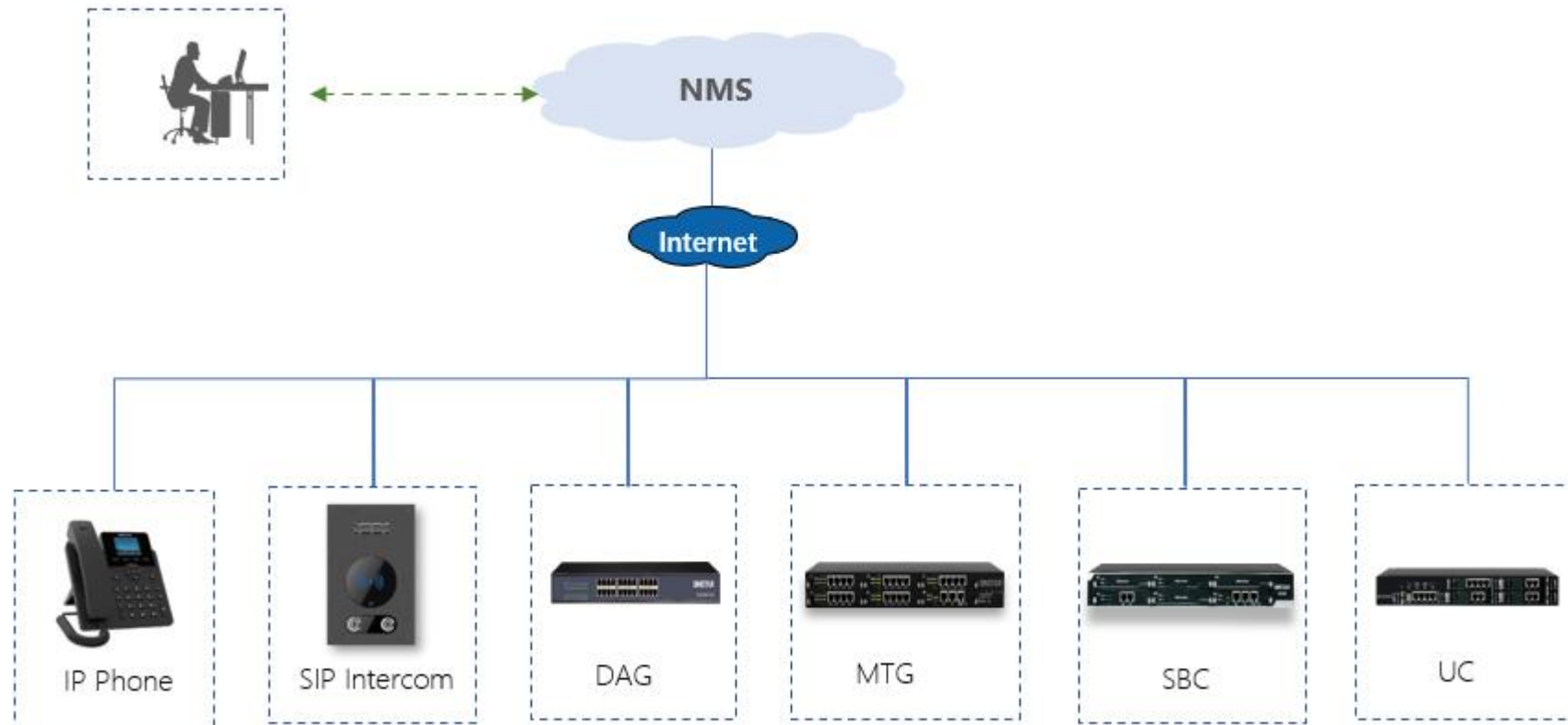


Role Management



Dashboard

About NMS



Contents

- 1 Chapter One About NMS
- 2 Chapter Two NMS Introduce

Chapter Two NMS Introduce

02

NMS Overview

- Key Feature

Device Management

Web
Telnet
Pre-configuration
Device Search
Firmware Upgrade
Configure Management
Batch Configuration
Configuration Backup
Configuration Restore
Restart & Factory Reset
Device Diagnose
Device Hardware Monitoring
Network Quality Monitoring
Service Status Monitoring
Port /DSP/SDH Monitoring
Call Statistics Monitoring
Multi-site management
Scheduled Task Management
Device Remote Access

System Management

Account Management
System Help Center
Security Logs
Login Logs
Operation Logs
Multi-Manager Mode
Soft Reboot
System Monitoring
Certification Management
Multilingual
Built-in FAQ
Single-click Installation
Device Access Type Settings
Auto-discovery of Devices via PnP
User Privileges Management
User Information Management
System Database Back-up Management

Resource Management

Upgrade Package Management
Configuration File Management
Backup File Management
OpenVPN File Management

Reporting and Notification

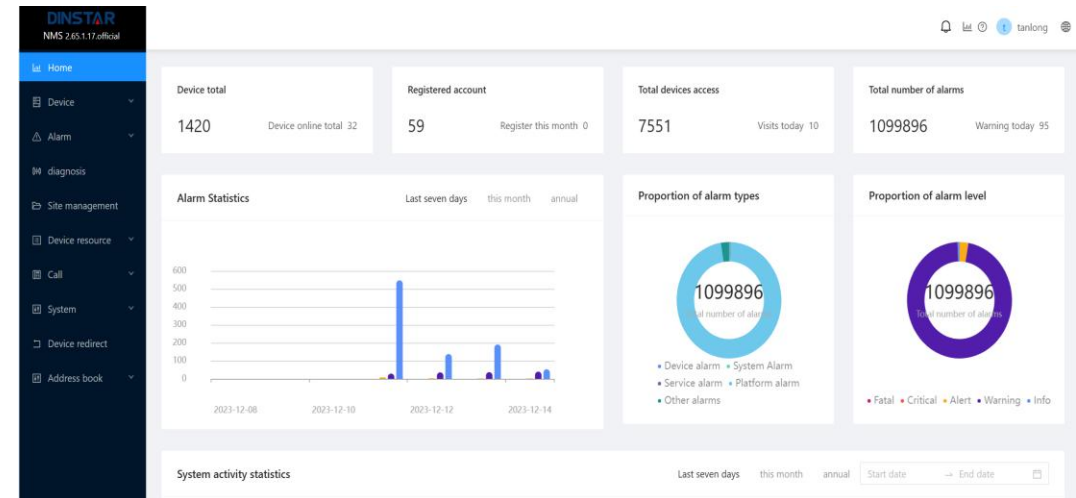
Real-time Alarm
Alarm Confirm
Historical Alarm
Alarm Analysis
Alarm Push
Email Alerts
Remote Push

Service Management

CDRs Management
Voice Quality Analysis
Statistic Analysis
People Contacts
Enterprise Contacts
Device Redirect

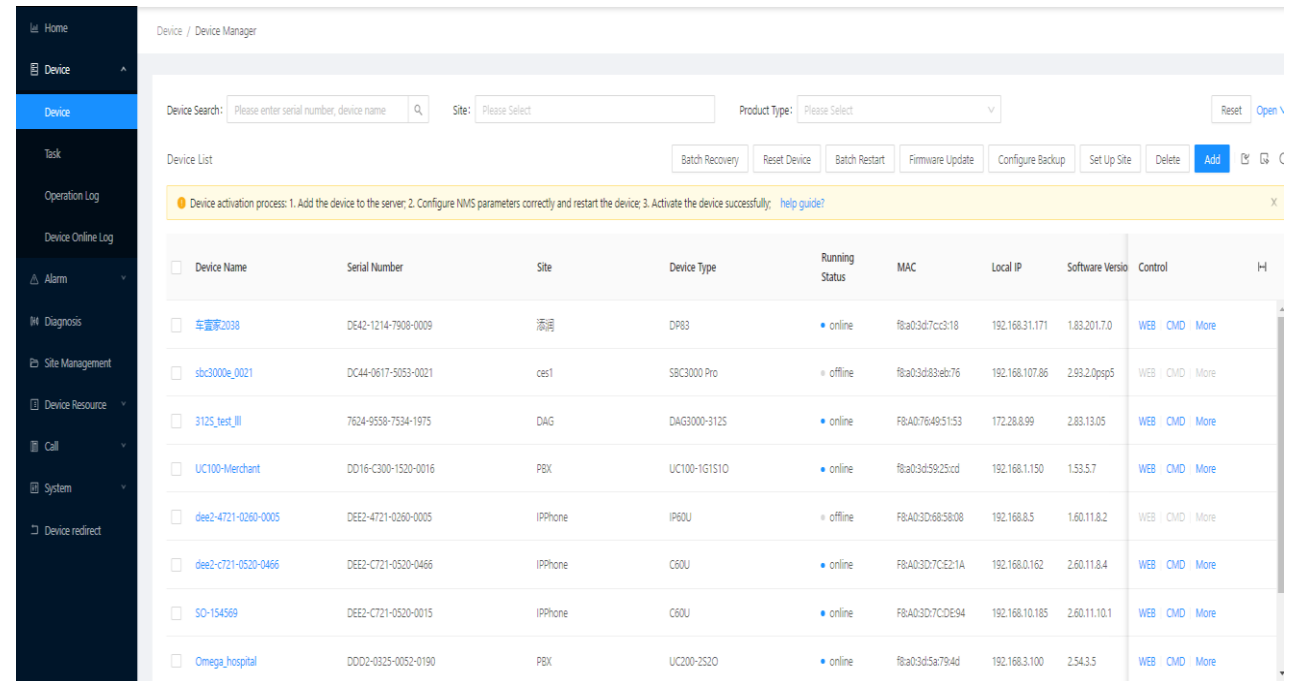
Security

TLS Encrypted Transmission
Web Attacks Avoiding
License
Token Bucket Traffic Limiting
IP Blacklist
Device Connection Authentication
Remote Access Timeout



NMS Main function

- Device Management
 - Group devices according to different sites, models, and users, per your business needs
 - Configure and manage a batch of devices by different groups
 - Execute tasks at once or at a specified time
 - Multiple and flexible management roles
 - Enhanced TLS encryption security
 - Install on-premise server or Cloud at your choice
 - Up to 50,000 devices for standalone deployment



The screenshot displays the 'Device / Device Manager' interface. It includes a sidebar with navigation options like Home, Device, Task, Operation Log, Device Online Log, Alarm, Diagnosis, Site Management, Device Resource, Call, System, and Device redirect. The main area features a search bar, filters for Site and Product Type, and a table of devices. A yellow banner at the top of the table provides instructions on the device activation process.

Device Name	Serial Number	Site	Device Type	Running Status	MAC	Local IP	Software Version	Control
车管家2038	D642-1214-7908-0009	滴滴	DP83	online	f8a03d7cc318	192.168.31.171	1.83.201.7.0	WEB CMD More
stc3000e_0021	DC44-0617-5053-0021	ces1	S8C3000 Pro	offline	f8a03d683eb76	192.168.107.86	2.93.2.0psp5	WEB CMD More
3125_test_III	7624-9558-7534-1975	DAG	DAG3000-3125	online	F8A076495153	172.28.8.99	2.83.13.05	WEB CMD More
UC100-Merchant	DD16-C300-1520-0016	PBX	UC100-1G1S10	online	f8a03d5925icd	192.168.1.150	1.53.5.7	WEB CMD More
dee2-4721-0260-0005	DEE2-4721-0260-0005	IPPhone	IP60U	offline	F8A03D7C685808	192.168.8.5	1.60.11.8.2	WEB CMD More
dee2-c721-0520-0466	DEE2-C721-0520-0466	IPPhone	C60U	online	F8A03D7C621A	192.168.0.162	2.60.11.8.4	WEB CMD More
SO-154569	DEE2-C721-0520-0015	IPPhone	C60U	online	F8A03D7CDE94	192.168.10.185	2.60.11.10.1	WEB CMD More
Omega_hospital	DD02-0325-0052-0190	PBX	UC200-2520	online	f8a03d5a794d	192.168.3.100	2.54.3.5	WEB CMD More

NMS Main function

- Remote Management

- Remote configuration
- Remote firmware upgrade
- Remote Web GUI & Telnet
- Remote Trouble-shooting

The screenshot displays the 'Device / Device Manager' interface. On the left is a dark sidebar with navigation links: Home, Device (selected), Task, Operation Log, Device Online Log, Alarm, Diagnosis, Site Management, Device Resource, Call, System, and Device redirect. The main area features a search bar with 'Device Search' and 'Site' filters, and a 'Product Type' dropdown. Below this is a 'Device List' section with a toolbar containing buttons: Batch Recovery, Reset Device, Batch Restart, Firmware Update, Configure Backup, Set Up Site, Delete, Add, and icons for help and refresh. A yellow notification bar states: 'Device activation process: 1. Add the device to the server; 2. Configure NMS parameters correctly and restart the device; 3. Activate the device successfully; help guide?'. The device list table has columns: Device Name, Serial Number, Site, Device Type, Running Status, MAC, Local IP, Software Version, and Control. A red box highlights the 'Control' column for the first device, 'jack_96s', showing a dropdown menu with options: WEB, CMD, More, Config Restore, Reboot, Reset Device, and Lock Configuration. The table lists several devices with their respective details.

Device Name	Serial Number	Site	Device Type	Running Status	MAC	Local IP	Software Version	Control
jack_96s	D4D3-0206-2013-0002	X2SSS	DAG2500-96S	online	F8A03D7D6885	172.27.53.85	2.83.13.05	WEB CMD More
车管家2038	DE42-1214-7908-0009	漆洞	DP83	online	f8a03d7cc318	192.168.31.171	1.83.201.7.0	WEB
sbc3000e_0021	DC44-0617-5053-0021	ces1	SBC3000 Pro	offline	f8a03d83eb76	192.168.107.86	2.93.2.0ppsp5	WEB
312S_test_III	7624-9558-7534-1975	DAG	DAG3000-312S	online	F8A076495153	172.28.8.99	2.83.13.05	WEB CMD More
UC100-Merchant	DD16-C300-1520-0016	PBX	UC100-1G1S10	online	f8a03d5925cd	192.168.1.150	1.53.5.7	WEB CMD More
dee2-4721-0260-0005	DEE2-4721-0260-0005	IPPhone	IP60U	offline	F8A03D685808	192.168.8.5	1.60.11.8.2	WEB CMD More
dee2-c721-0520-0466	DEE2-C721-0520-0466	IPPhone	C60U	online	F8A03D7CE21A	192.168.0.162	2.60.11.8.4	WEB CMD More
SO-154569	DEE2-C721-0520-0015	IPPhone	C60U	online	F8A03D7CDE94	192.168.10.185	2.60.11.10.1	WEB CMD More

NMS Main function



- Auto Deployment
 - Auto Provision
 - Firmware Upgrade
 - Auto Backup
 - Configuration push

Home

Device

Device

Task

Operation Log

Device Online Log

Alarm

Diagnosis

Site Management

Device Resource

Call

System

Device redirect

Device / Task Manager

Search Name:

Task Type:

Task Status:

Creation Time:

TaskList

Task Name	Task Type	Task Status	Execution Mode	Preset Start Time	Creator	Creation Time
shengji	Upgrade	Manual shutdown	Single Execution	2025-08-10 16:56	紫桥	2025-08-04 13:56
lysb3000Probackup6	Backups	Automatic shutdown	Execute immediately	2025-08-01 17:39	fw	2025-08-01 17:38:57
lysb3000Probackup5	Backups	Automatic shutdown	Execute immediately	2025-08-01 17:20	fw	2025-08-01 17:20:10
lysb3000Probackup4	Backups	Automatic shutdown	Execute immediately	2025-08-01 16:54	fw	2025-08-01 16:54:44
lysb3000Probackup3	Backups	Automatic shutdown	Execute immediately	2025-08-01 16:50	fw	2025-08-01 16:50:49
lysb3000Probackup2	Backups	Automatic shutdown	Execute immediately	2025-08-01 16:42	fw	2025-08-01 16:41:56
lysb3000Probackup1	Backups	Automatic shutdown	Execute immediately	2025-08-01 16:34	fw	2025-08-01 16:34:14
lysb3000Probackup	Backups	Automatic shutdown	Execute immediately	2025-08-01 16:23	fw	2025-08-01 16:23:34
chester下发8	configure	Automatic shutdown	Execute immediately	2025-08-01 16:16	authTest2	2025-08-01 16:16:43

Create Task

Firmware Update

Configure Backup

Configuration Release

Total 101 Records Now 1 / 11 Page

1 2 3 4 5 ... 11

 10 / page

NMS Main function

- Real-time Monitoring
 - Realtime device and network monitoring
 - Immediate alarm push via email, SMS when the device abnormal
 - Graphical statistical analysis and diagnostic reports
 - Device & system logs download & backup

NMS 2.65.1.18sp2

Alarm / Push Strategy

Search Name: Please enter a policy name Push Mode: Please Select Push Cycle: Please Select State: Please Select

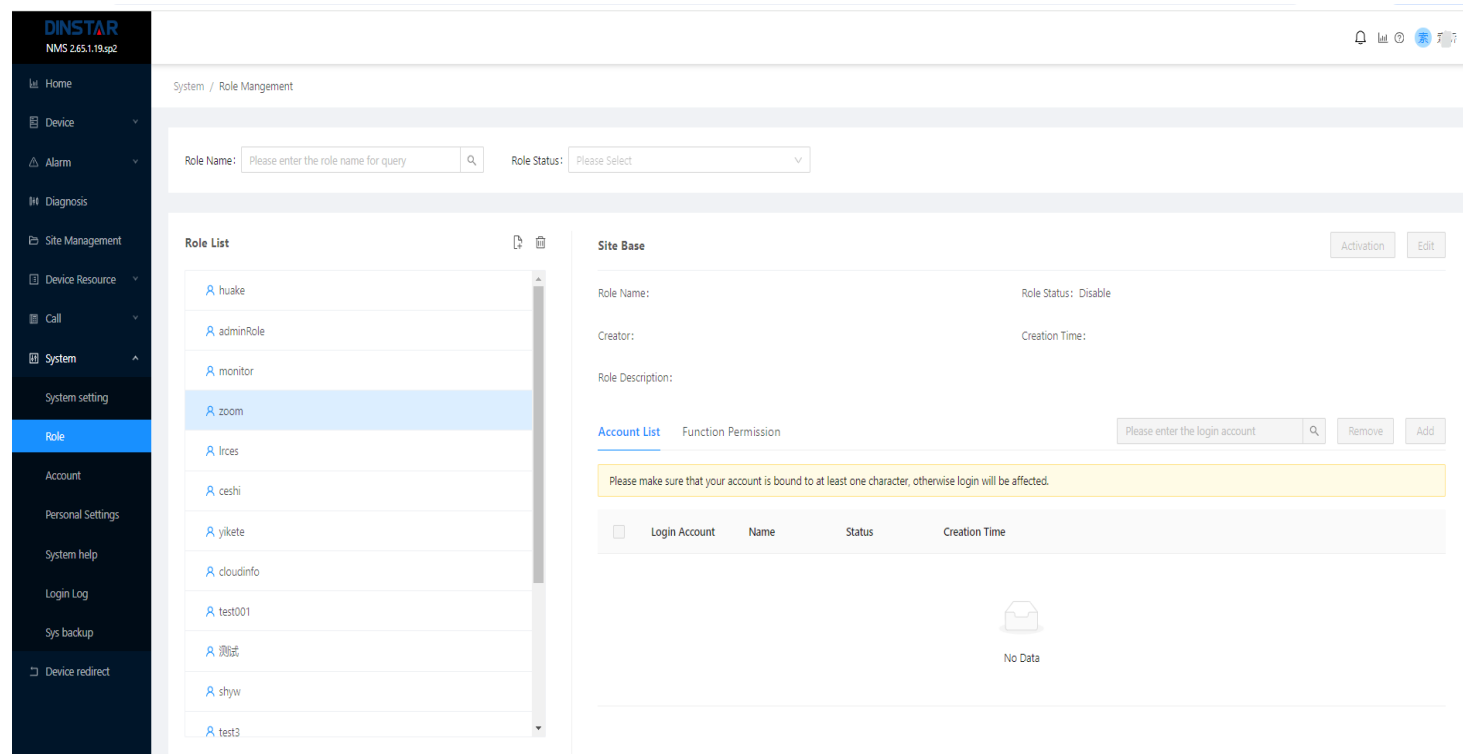
Strategy List

<input type="checkbox"/>	Policy Name	Push Mode	Push Cycle	Creation Time	Status	Equipment Scope	Control
<input type="checkbox"/>	PolicySunny	email	Every Day	2024-05-14 19:51:10	Enable	Designated Site	Disable
<input type="checkbox"/>	AlarmMonitor	email	Real Time	2024-03-14 16:27:22	Enable	Designated Site	Disable
<input type="checkbox"/>	cloudinfo	email	Real Time	2022-12-02 17:28:11	Enable	Designated Site	Disable
<input type="checkbox"/>	Daily	email	Real Time	2022-09-22 17:39:41	Enable	Designated Site	Disable
<input type="checkbox"/>	asd1	email	Real Time	2022-09-21 21:00:16	Enable	Designated Site	Disable
<input type="checkbox"/>	asf	email	Every Day	2022-09-21 20:59:25	Enable	Designated Site	Disable
<input type="checkbox"/>	推送一		Real Time	2021-08-30 16:57:05	Disable	Designated Site	Enable

Total 7 Records Now 1 / 1 Page

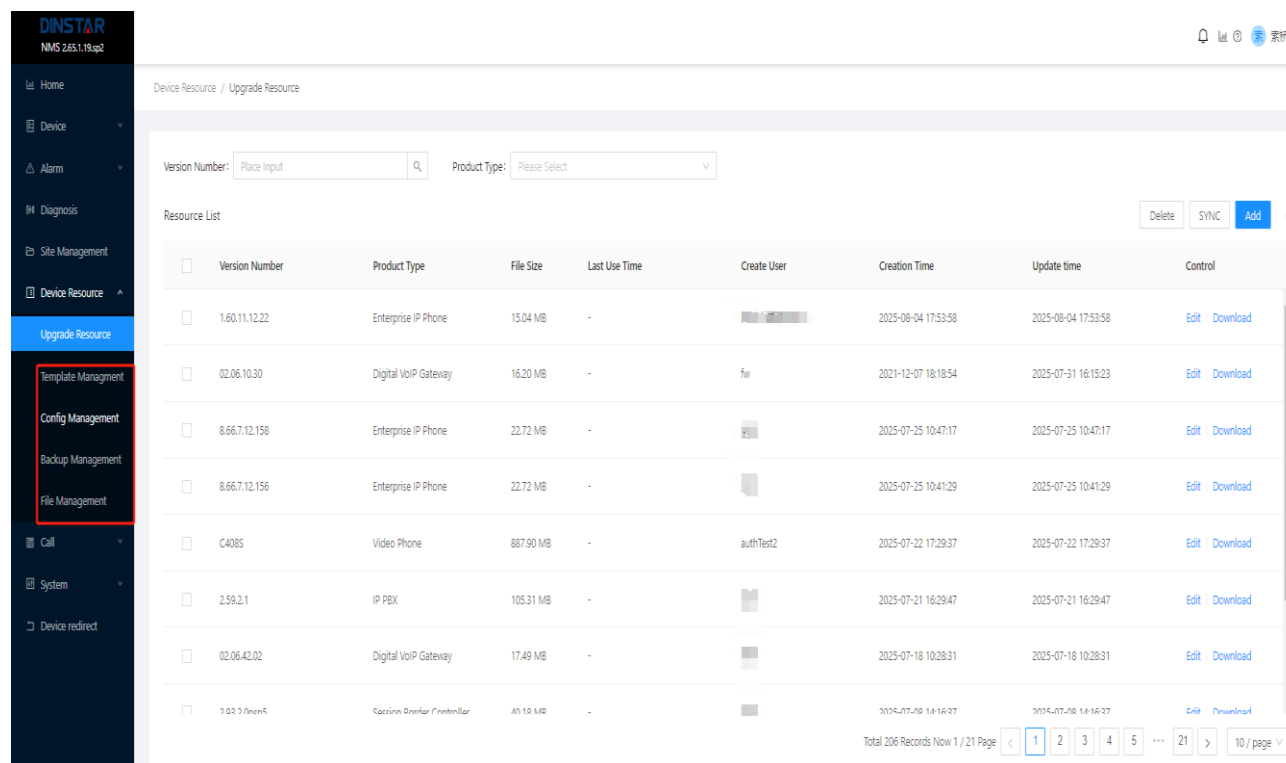
NMS Main function

- System Management
 - System account management
 - System assistance
 - System roles
 - Multi-Language Support



NMS Main function

- Resource Management
 - Upgrade Package Management
 - Configuration File Management
 - Backup File Management
 - OpenVPN File Management



DINSTAR NMS 2.65.1.19sp2

Device Resource / Upgrade Resource

Version Number: Place Input Product Type: Please Select

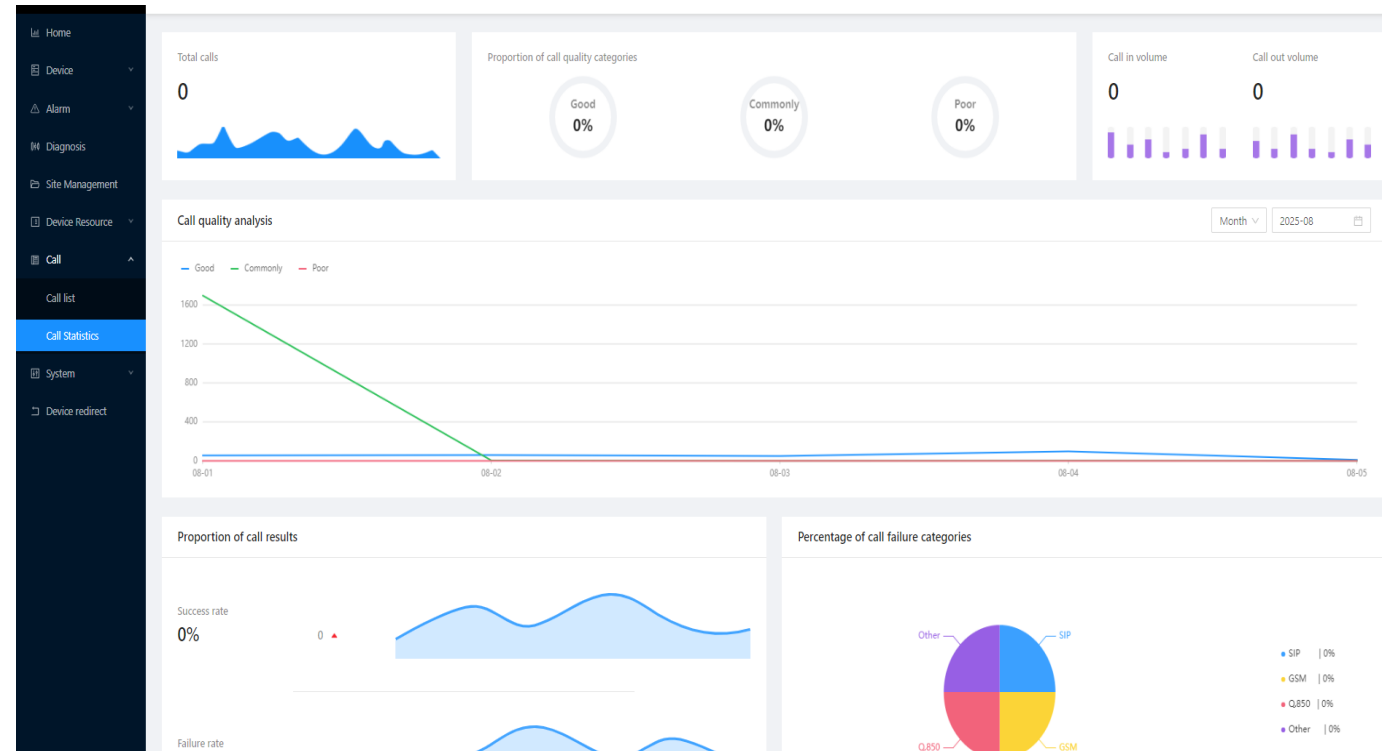
Resource List

<input type="checkbox"/>	Version Number	Product Type	File Size	Last Use Time	Create User	Creation Time	Update time	Control
<input type="checkbox"/>	1.60.11.12.22	Enterprise IP Phone	15.04 MB	-		2025-08-04 17:53:58	2025-08-04 17:53:58	Edit Download
<input type="checkbox"/>	02.06.10.30	Digital VoIP Gateway	16.20 MB	-	fw	2021-12-07 18:18:54	2025-07-31 16:15:23	Edit Download
<input type="checkbox"/>	8.66.7.12.158	Enterprise IP Phone	22.72 MB	-		2025-07-25 10:47:17	2025-07-25 10:47:17	Edit Download
<input type="checkbox"/>	8.66.7.12.156	Enterprise IP Phone	22.72 MB	-		2025-07-25 10:41:29	2025-07-25 10:41:29	Edit Download
<input type="checkbox"/>	C4085	Video Phone	887.90 MB	-	authTest2	2025-07-22 17:29:37	2025-07-22 17:29:37	Edit Download
<input type="checkbox"/>	2.59.2.1	IP PBX	105.31 MB	-		2025-07-21 16:29:47	2025-07-21 16:29:47	Edit Download
<input type="checkbox"/>	02.06.42.02	Digital VoIP Gateway	17.49 MB	-		2025-07-18 10:28:31	2025-07-18 10:28:31	Edit Download
<input type="checkbox"/>	3.02.3.00005	Access Point Controller	40.18 MB	-		2025-07-16 14:16:37	2025-07-16 14:16:37	Edit Download

Total 206 Records Now 1 / 21 Page ...

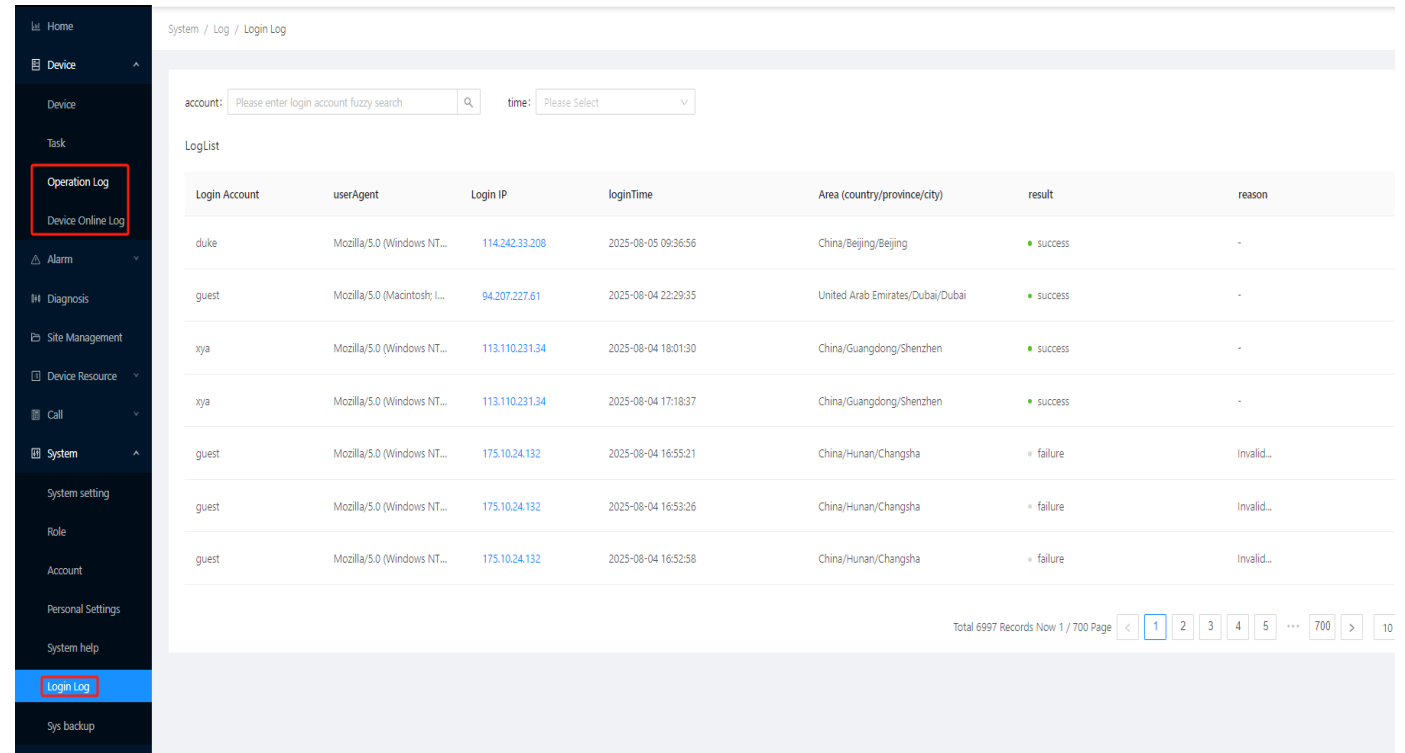
NMS Main function

- Service Management
 - CDRs Management
 - Voice Quality Analysis
 - Statistic Analysis
 - People Contacts
 - Enterprise Contacts
 - Device Redirect



NMS Main function

- Log Management
 - System login log
 - Equipment operation log
 - Device online log



System / Log / Login Log

account: time:

LogList

Login Account	userAgent	Login IP	loginTime	Area (country/province/city)	result	reason
duke	Mozilla/5.0 (Windows NT...	114.242.33.208	2025-08-05 09:36:56	China/Beijing/Beijing	success	-
guest	Mozilla/5.0 (Macintosh; I...	94.207.227.61	2025-08-04 22:29:35	United Arab Emirates/Dubai/Dubai	success	-
xya	Mozilla/5.0 (Windows NT...	113.110.231.34	2025-08-04 18:01:30	China/Guangdong/Shenzhen	success	-
xya	Mozilla/5.0 (Windows NT...	113.110.231.34	2025-08-04 17:18:37	China/Guangdong/Shenzhen	success	-
guest	Mozilla/5.0 (Windows NT...	175.10.24.132	2025-08-04 16:55:21	China/Hunan/Changsha	failure	Invalid...
guest	Mozilla/5.0 (Windows NT...	175.10.24.132	2025-08-04 16:53:26	China/Hunan/Changsha	failure	Invalid...
guest	Mozilla/5.0 (Windows NT...	175.10.24.132	2025-08-04 16:52:58	China/Hunan/Changsha	failure	Invalid...

Total 6997 Records Now 1 / 700 Page

NMS Main function

- Security

- TLS Encrypted Transmission
- Web Attacks Avoiding
- License
- Token Bucket Traffic Limiting
- IP Blacklist
- Device Connection Authentication
- Remote Access Timeout

The screenshot displays the DINSTAR NMS 2.65.2.2.official web interface. On the left is a dark sidebar with a menu including Home, Device, Alarm, Diagnosis, Site Management, Device Resource, Call, System, System setting (highlighted), Role, Account, Personal Settings, System help, Login Log, Sys backup, Logs, Device redirect, and Extension Manag... The main content area is titled 'System Authorization' and contains a list of settings: Advanced Setting, Push Settings, FAIL2BAN, IP home location query, and Log Forwarding. To the right, under 'Function and Service Authorization', there is a box for 'ADvanced' with 'Perpetual Authorization' status, and a table showing software details: Software Version 2.65.2.2.official, Software Description 'Adapt to domestic SQL databases...', JDK Version 17.0.7, and Running time 0 Days 17 Hours 59 Minutes. Below this is a note about the effective date of software maintenance service (2026-07-25). Further down, 'Device Capacity Authorization' is shown with a table:

Authorization Type	Authorized Quantity	Used Quantity
Terminal quantity authorization	300	6
Gateway quantity authorization	999	5

Below the table is the 'Update Authorization' section, which includes a Machine Code (5c4b809f9b40f3faa375ccf3c04aa049) and a License input field with a placeholder text: 'Please enter License consisting of letters and numbers'.



THANKS



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