NOC-3000

Network Operations Center

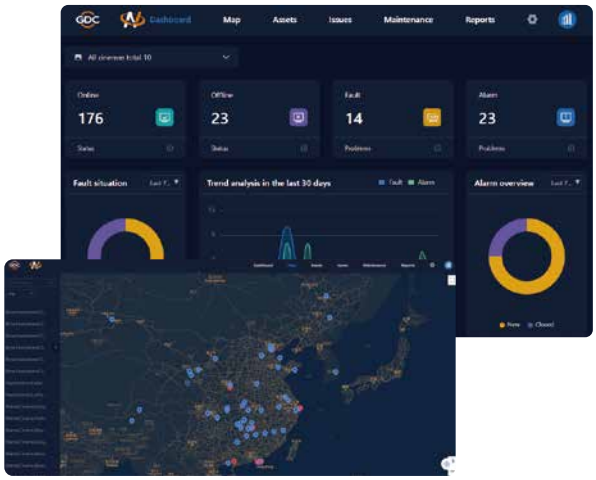
A comprehensive remote management solution for monitoring and maintaining digital cinema devices

The NOC-3000 is a centralized digital cinema management solution based on browser/server (B/S) architecture, allowing the cinema headquarters or a third-party entity to take ownership of technical issues. When combining with the CMS-3000 Central Management Enterprise Software, it is possible to monitor the screening status, transmit screening content, and manage playlists and schedules.

NOC-3000 Features

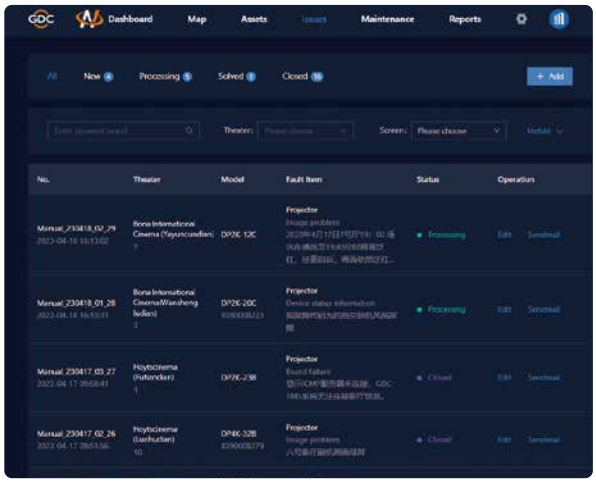
Device Monitoring

From the main dashboard, you can preview the real-time monitoring of the network connections and operation statuses of various digital cinema devices for one cinema to hundreds of complexes in a timely manner, checking the overall status of the equipment to ensure it is running smoothly. Device details or fault information can be viewed by clicking on a device's name or data. In the map session, theatre locations and statuses can be easily understood. Theatre icons in different colors timely reflects whether the theatre is running normally or has issues.



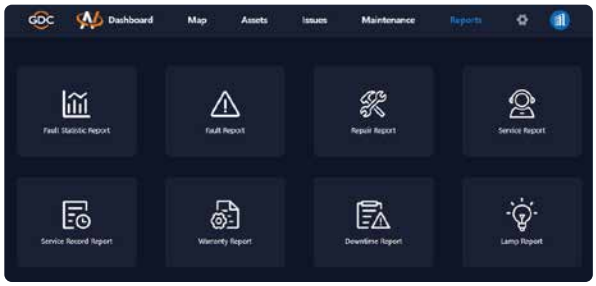
Faults Ticketing and Alerts

The fault and alert function enables the remote center's support staff to receive alert information from the devices in a timely manner. Fault tickets are automatically generated for support staff to identify the issue, allowing them to provide details to resolve the issue before it becomes a major problem.



Log Report

The log report function provides the center's support staff with a convenient and fast way to query. It's quick and easy to use different report buttons to generate and view various types of reports including fault, device information, lamp use time, and other reports to improve overall performance of the devices.



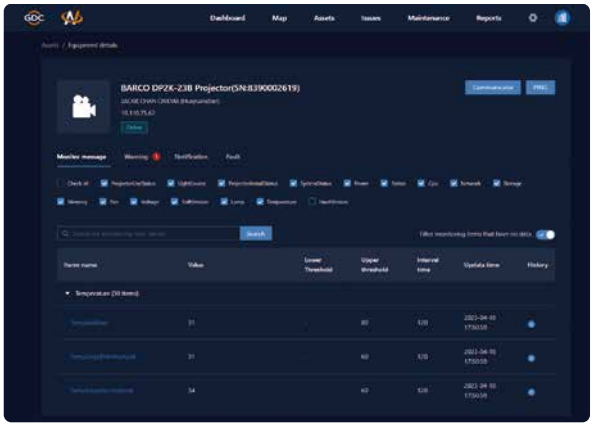
NOC-3000 Benefits

Easy to Access

The design of NOC-3000 is based on B/S (Browser/server mode) architecture, which allows users to access and manage cinemas anytime and anywhere through computers or mobile phones. The H5 access mode specifically developed for mobile devices enables managers to obtain a more concise operating experience.

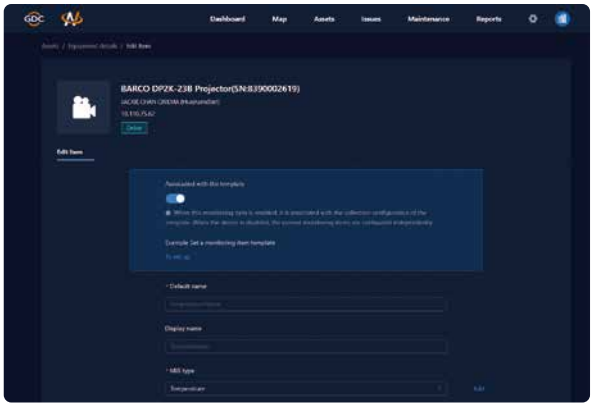
Intuitive Data Display

The NOC-3000 provides users with an intuitive data display interface. The dashboard interface shows users the latest data and trends of device online/offline status, faults, and alerts in real time. Users can filter the device information they want to view and display it in a categorized manner on the device details page. The map interface presents the status and distribution of cinemas to users in the most intuitive way.



Personalized Device Alarms

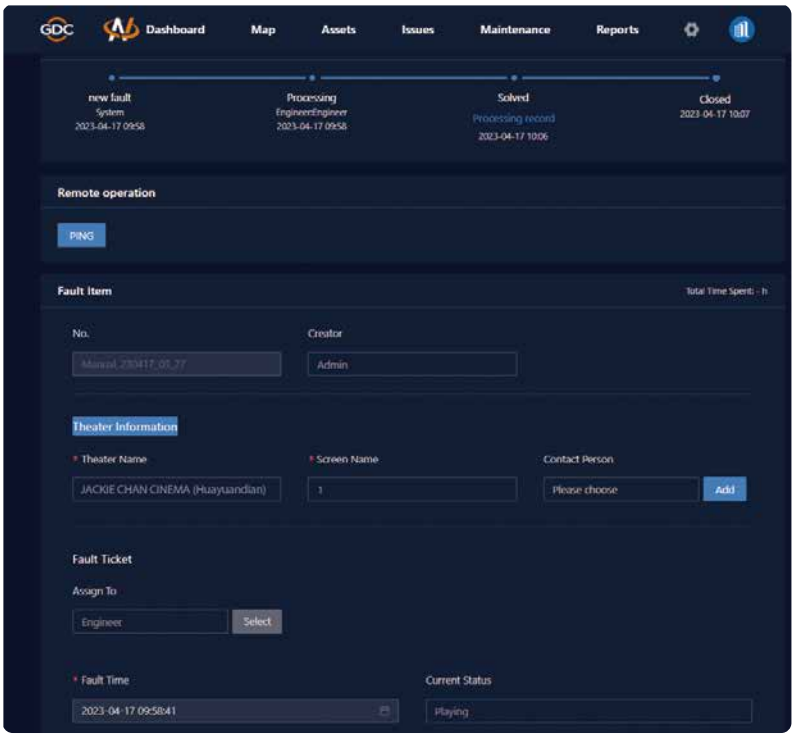
Users can automatically receive alarm information for different types of devices and set the alarm level. It also allows users to customize the alarm threshold for a specific device in order to monitor its status precisely.



NOC-3000 Benefits

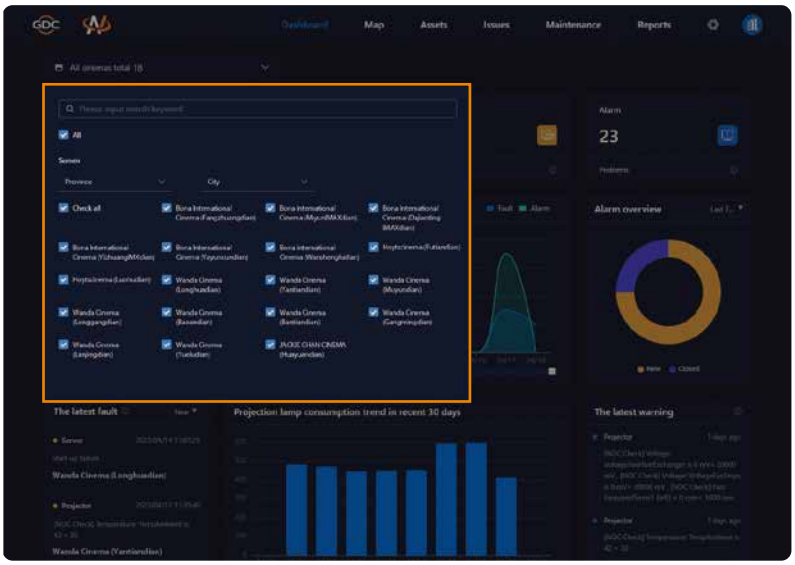
Efficient Fault Ticketing

Fault and service tickets can be created and tracked according to user settings automatically, or they can be created and handled manually. Customizable work order prefixes, concise processing progress bars, and the ability to trigger email notifications at any time all improve the efficiency of user ticket handling.

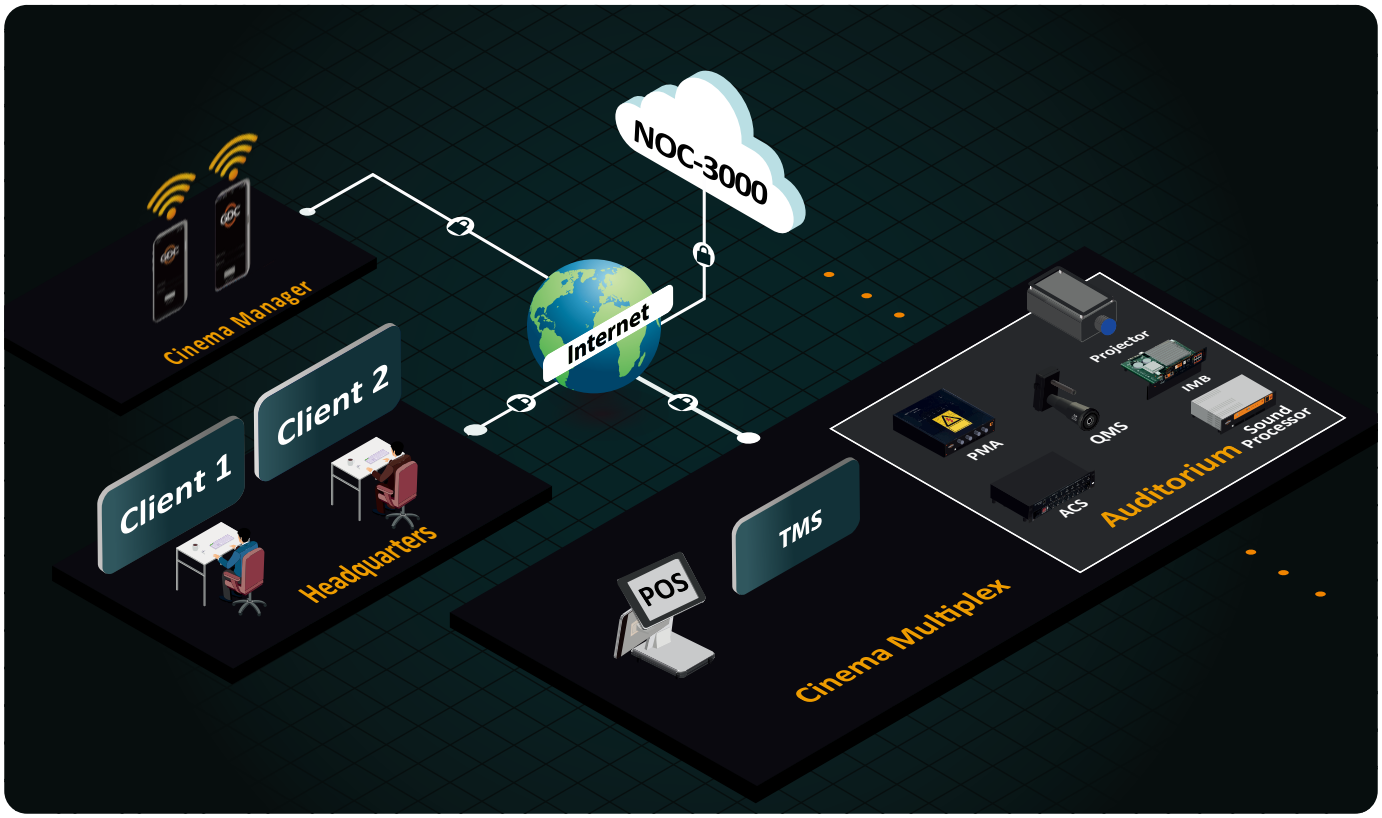


Flexible System Settings

Users can flexibly adjust the cinema and time range of the dashboard data source, switch to different languages, and change the map displayed according to their needs.



NOC-3000 Cloud Deployment



Easy Deployment

The NOC-3000 deployed on the cloud-based platform can quickly provide customers with the required systems. The cinema no longer needs VPN access to NOC-3000 avoiding the costs of installing and maintaining VPN networks, eliminating workload caused by physical server performance or VPN network stability.

Minimal Configuration

In complexes installed with a TMS, the NOC-3000 can complete the projection equipment's SNMP TRAP acquisition with minimal configuration. The connection between NOC-3000 and projection equipment can be achieved with minimum workload.

Encrypted Data Transmission

The NOC-3000 system uses RSA asymmetric secret key encryption transmission for transferring data between the cinemas and the cinema headquarters or third-party to ensure the data confidentiality and integrity, and enhance the data security for all customer's projection equipment.

NOC-3000 Installation Requirements

Sr.No	Hardware	Up to 15 Sites / Up to120 Screens	Up to 50 Sites / Up to 400 Screens	Up to 100 Sites / Up to 800 Screens	Up to 300 Sites / Up to 2400 Screens
A. Application					
1	**AWS EC2 Instance Size**	m5.large	m5.xlarge	m5.2xlarge	m5.4xlarge
2	**VCPU**	2	4	8	16
3	**RAM**	8	16	32	64
4	**OS Drive (SSD io1)**	100G	150G	200G	500G
5	**OS**	Ubuntu22.04	Ubuntu22.04	Ubuntu22.04	Ubuntu22.04
B. Database					
6	**Amazon RDS for MySQL Instance Size**	db.t3.medium	db.t3.large	db.t3.xlarge	db.t3.2xlarge
7	**VCPU**	2	2	4	8
8	**RAM**	4	8	16	32
9	**MYSQL Storage (SSD io1)**	100G	150G	200G	300G
10	**Mysql Version**	mysql5.7	mysql5.7	mysql5.7	mysql5.7

For reference: AWS EC2 instance size m5 family is using Intel® Xeon® Platinum 8175M CPU @ 2.50GHz
Note: For a cinema network that exceeds 300 sites and/or 2,400 screens, please consult GDC sales engineer for the required hardware specifications

Please contact us for a demo or further details.