Network Operations Centers (NOC)

Project brief introduction

NOCs provide round-the-clock control and management of your network's infrastructure. NOC technicians continuously monitor network performance, identifying and resolving issues within the system, thus ensuring optimal and continuous service.

An essential component to achieving this level of service is having complete oversight of the network ecosystem. This oversight is provided by large-scale, wall-mounted, flexible video installations. These installations interface with your network's various technological aspects, providing you multiple viewing configurations.

Description

01 Round-the-Clock Network Monitoring

To ensure you have a good quality of service, your NOC must continuously monitor your telecommunications infrastructure's performance. iSEMC's collaboration and visualization solutions allow you to manage all your networks' parameters and see what resources are required across these networks from one central location.

02 Maximized Performance and Uptime

To effectively monitor all the data coming into your NOC, you need a reliable visualization solution incorporating wall-mounted video and software. iSEMC can provide you with a range of visualization solutions that will maximize your network's performance and uptime for many years.

03 Any Source - Any Screen

NOCs display data such as alphanumerics, social media feeds, and mapping information. This disparity of sources requires versatility in your control room solution, both in terms of overview display and operator position. iSEMC's visualization solutions offer such versatility, allowing you to display all data types from your various networks on any of your screens.

04 Internal and External Collaboration

With an iSEMC control command room solution, you can maintain control of your networks and entire telecommunications infrastructure 24/7. It enables you to visualize content with incredible detail and accuracy from a centralized location. You also have the facility to share your data with external or remote stakeholders. Therefore, collaboration on resolving performance issues is straightforward and fast.
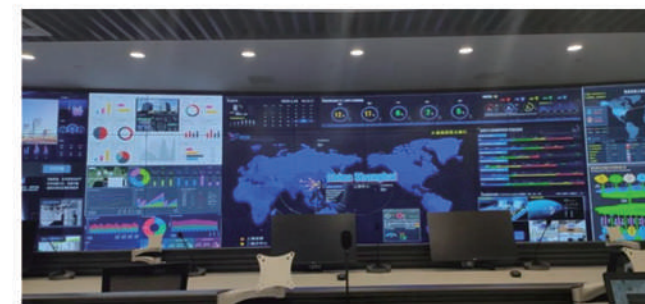
Control Room

Features

Ultra high definition display

Appropriate designs can be made according to the project's real needs; the display system, mainly composing DID screen, DLP splicing screen, LED display screen with little space, the system can support multiple 1080P HD input sources and max input resolution supports up to 3840x2160@60Hz.Single channel max output resolution supports up to 3840x2160@60Hz. it also supports high resolution background map, up to 65535x65535 pixels.

Real time

Real-time data can be released via the real-time data interface or WEB information, to provide users with corresponding realtime dynamic information.
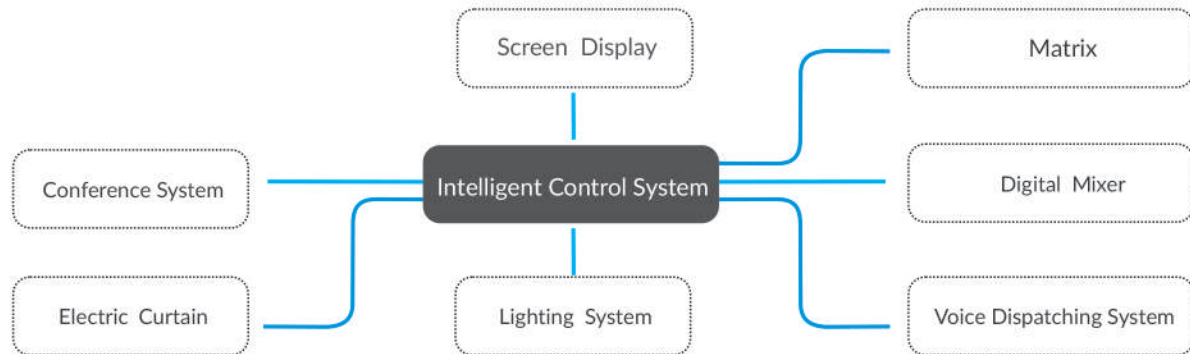
Decision-making support

Decision-making support collects information for HD display system: all kinds of information collected and arranged by the system, plus of analysis calculation results of various models are shown in the most simple and intuitive form according to the needs of the decision makers, to help decision makers quickly and accurately understand the current situation, analyze the pros and cons of various scheduling schemes, as well as help them better to make the right decisions.

Solutions

Multiple system centralized control

iSEMC command center system solution adopts advanced design concepts and products with leading technologies, plus of intelligent centralized control system, conducts centralized control for various systems, including large screen display system (DLP large screen / LCD splitting /LED display screen etc), video processing system, voice dispatching system, command and control system, system of sound pickup and sound reinforcement, to achieve information mining, assistant decision making, communication and command, centralized control; thus, the operation is more simple and convenient

Screen Display

Matrix

Conference System — Intelligent Control System — Digital Mixer

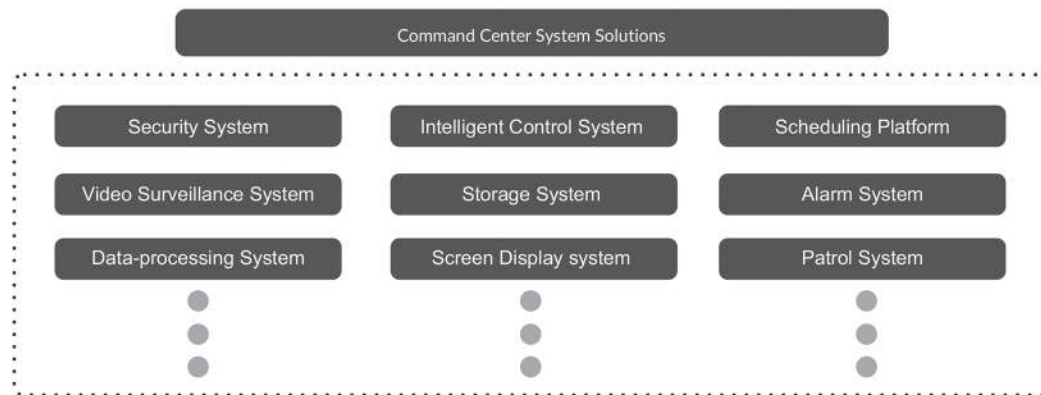Electric Curtain — Lighting System — Voice Dispatching System

System visualization

Compared with traditional command systems, the iSEMC command central system realize visualization, and all subsystems are presented in the way of pictures, data, video, software interface; thus, the system is more intuitive and image.

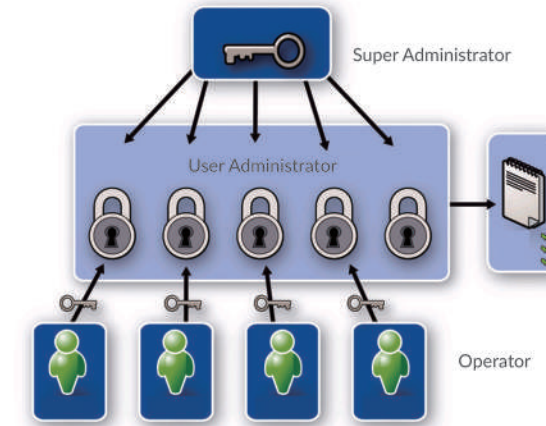## Compatible with third-party devices

The system can be seamlessly connected with third party devices or software, to achieve the overall scheduling and control.

Command Center System Solutions

Security System	Intelligent Control System	Scheduling Platform
Video Surveillance System	Storage System	Alarm System
Data-processing System	Screen Display system	Patrol System

Control Room

User privilege management

User management supports various users, such as super administrator, user administrator and operator. Different users can be assigned different permissions for managing subsystem and equipment control configuration

Super Administrator

User Administrator

Operator

Stable and reliable

The system is stable and reliable because of adopting mature technologies, not infected with the virus; it has been successfully applied to a number of projects, with mature project experience.

Safe

Application industry

Visual Control Center

Network Operations Centers (NOC)

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Control Room

Communications

Finance

Command centre

Mission control rooms

Network operations center

Solutions

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