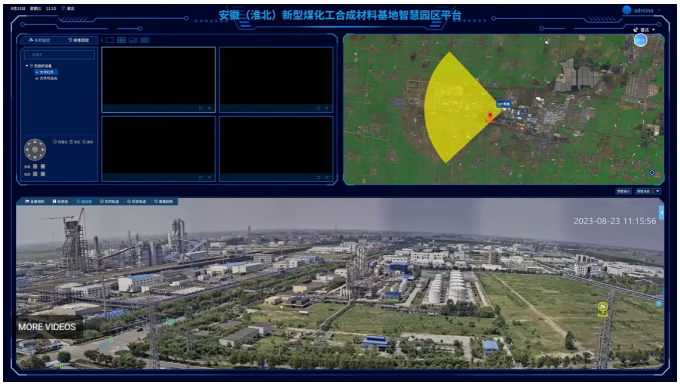
SHOGUN
Technology Solution

LV Software

Largeview Video Management Software



Inroduction

Modern society relies heavily on critical infrastructure such as power grids, transportation systems, communication networks, and water treatment facilities. These essential assets are increasingly exposed to a wide range of threats, including vandalism, terrorism, and natural disasters. Securing such infrastructure requires a comprehensive and constant security approach. In response to these challenges, gigapixel array cameras have emerged as a powerful solution for protecting critical infrastructure.

Limitations of traditional CCTV systems

Limited Field of View: Traditional CCTV systems usually provide narrow coverage, creating blind spots that can be exploited for unauthorized access or intrusion.

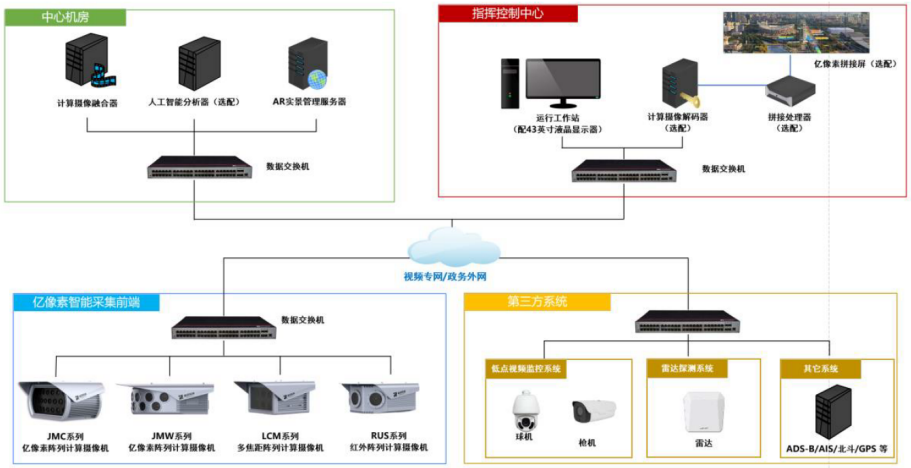
Insufficient Image Quality: Low-resolution and grainy video footage makes it challenging to clearly identify cr l details such as facial features or vehicle license plates.

Dependence on Human Monitoring: Conventional security systems rely heavily on manual observation, which is vulnerable to human error and fatigue, reducing the ability to detect threats in real time.

These limitations can leave critical infrastructure exposed to security risks and weaken the effectiveness of response actions during an inci dent.

Advantage of LV software

Our software platform is a proprietary, immersive, and multi-dimensional prevention and control system built on our gigapixel panoramic smart surveillance system.The platform supports the integration of data from gigapixel array computing cameras, low-point video surveillance systems, radar, other necessary third-party systems.By combining intelligent technologies like AI, IoT, and virtual reality, it creates a gigapixel real-world augmented command platform that offers digital management, collaborative services, and optimized resource allocation.



SHOGUN
Technology Solution

LV Software

Largeview Video Management Software

Key Features

Panoramic Video Surveillance

- Panoramic Array Camera Management

The Gigapixel Real-world Augmented Command Platform features management functions for gigapixel panoramic array computing cameras. It supports operations such as adding, bulk importing, bulk exporting, and deleting devices.

- Panoramic Video Playback

This feature presents the entire surveillance scene as a gigapixel panoramic image, enabling control over vast monitoring areas. It gives the user a "God's-eye view," providing a highly accurate sense of presence an space

- Panoramic Canvas Roaming

The system provides real-time control over the live panoramic view, allowing users to freely roam the canvas with operations like selecting a frame to enlarge, zooming, panning, and one-click reset. The response time for these operations is less than 300ms. For example, to view a key area, you can use the mouse to select and instantly enlarge the view to see the image details.

- Multi-Detail Window Simultaneous Viewing

The system supports displaying multiple detailed areas from the panoramic video in separate, independent windows. This allows multiple man agement departments or users to independently control and view the panoramic video at the same time.

- Panoramic Video Playback

Gigapixel array computing cameras support video playback, allowing users to search and replay video recordings by date and time period. The playback screen also enables operators to perform operations like free zooming, panning, frame selection, and one-click reset to view both de tailed and panoramic scenes.

Low-Point Video Surveillance Module

- Low-Point Camera Management

The Platform supports the integration of low-point cameras via standard protocols. It includes management features for these cameras, such as adding, bulk importing, bulk exporting, deleting devices and video playback.

- Low-Point Video Playback

Based on display needs, users can select the low-point camera video playback window type. The system supports various split-screen display modes, including 1, 5, 10, 13, and 21 divisions.

Video Playback

The VMS supports video playback for low-point surveillance cameras. Users can search and replay video recordings by date and time period.

Video Patrol

The system allows users to set up video patrol plans for low-point cameras in advance based on their display needs. A patrol plan can be configured by selecting specific cameras, events, and a patrol sequence. The system supports multiple patrol plans, and each one can be activated or deactivated using the "Enable/Disable" button.

Smart Patrol

For PTZ (Pan-Tilt-Zoom) dome cameras with multiple preset management functions, the system supports a smart patrol feature. The patrol management section allows you to view all existing patrol routes and modify their rules. You can also set up new patrol routes based on your needs by selecting the patrol device, defining a route name, and choosing the PTZ camera's presets and patrol events. Enabling a specific route will activate the camera's smart patrol.

SHOGUN
Technology Solution

LV Software

Largeview Video Management Software

Key Features

AR Real-World Augmentation Management

- Static Tags

The system supports data annotation of buildings, major roads, key areas, and low-point cameras with AR tags. Clicking an AR tag displays relevant text, video, or link information.

- Dynamic Tags

The system supports the integration of data from third-party systems, such as radar, to acquire target information. This information is then used to dynamically label targets with AR tags in the panoramic video. These dynamic tags move in sync with the identified targets in the panoramic video, remaining locked onto the corresponding target even as the video view changes.

- Tag Management

AR tag management includes both tag group management and individual tag management. It allows for adding, deleting, modifying, and searching for both tag groups and individual tags.

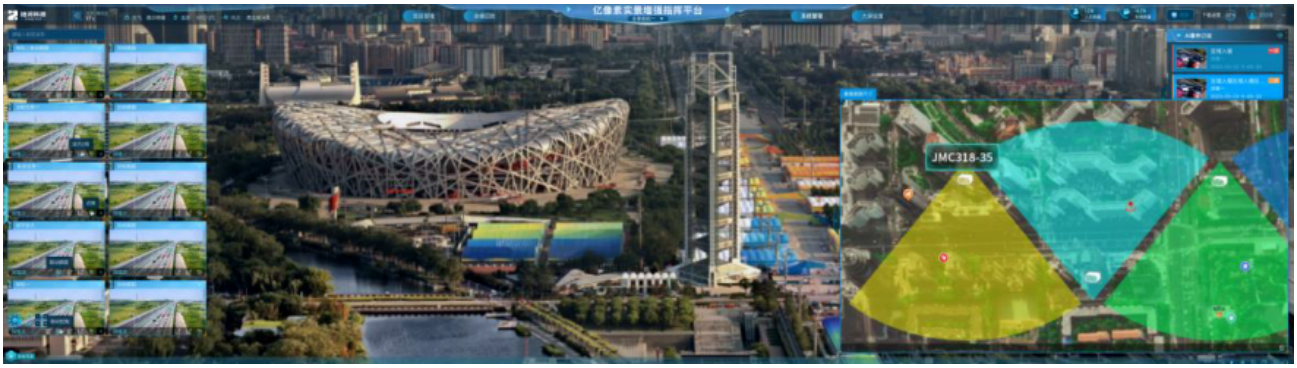
Multi-Dimensional Information Fusion

- Panoramic Video Playback

- Panoramic and Low-Point Video Linkage

- Panoramic Video and High-Magnification Electro-Optical Linkage

- Panoramic Video and Radar Linkage



GIS GIS Map Data Fusion and Display

- GIS Map Integration

The system supports the integration of GIS maps, allowing the monitoring areas of frontend devices to be marked on the map. When an abnormal event occurs, the system can simultaneously mark the alarm location and display the alarm information on the GIS map.

- Data Linkage

The system supports displaying the monitoring range of different gigapixel array computing cameras on the GIS map as distinct fan-shaped areas. By double-clicking the fan-shaped icon, you can call up that panoramic camera, and its live video feed will be displayed in the panoramic video window.