EFFECTIVE SURVEILLANCE FOR
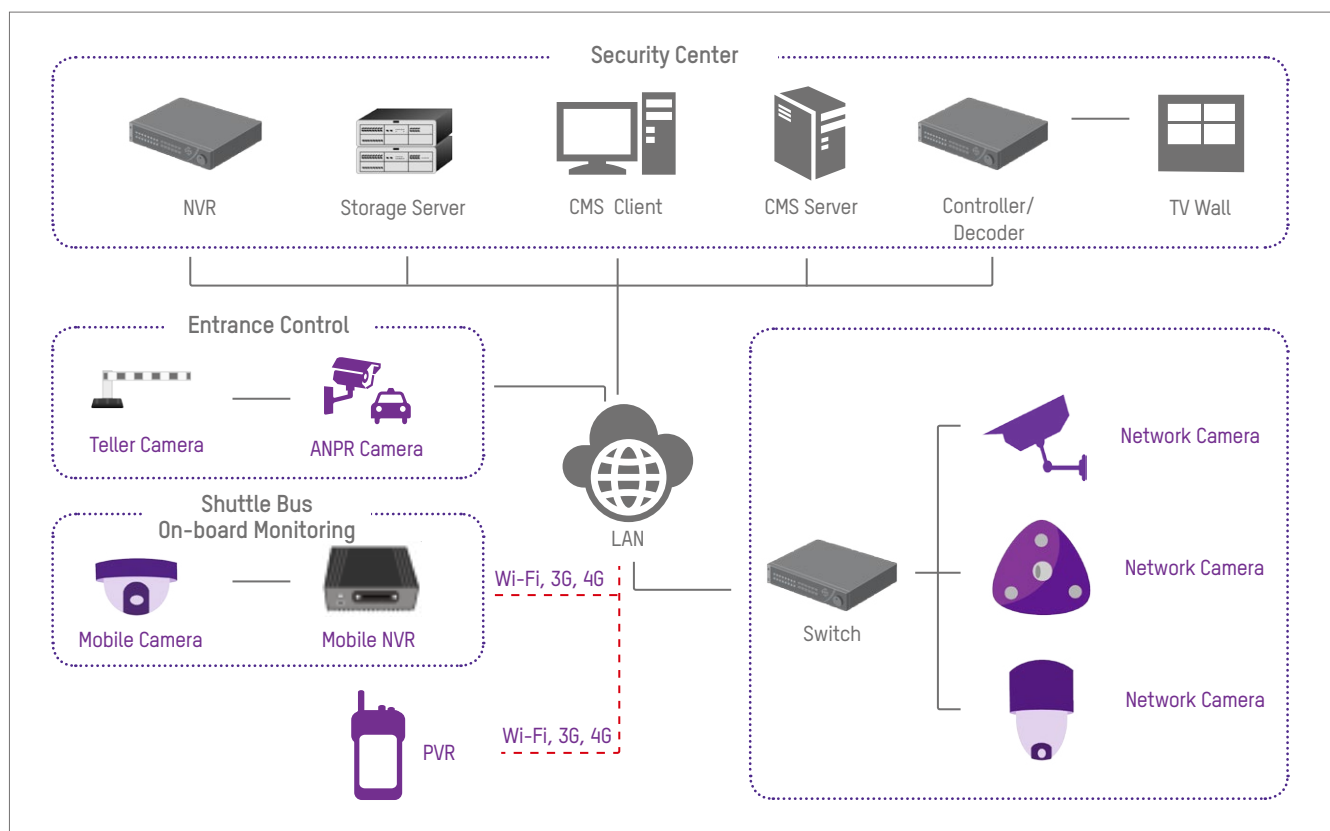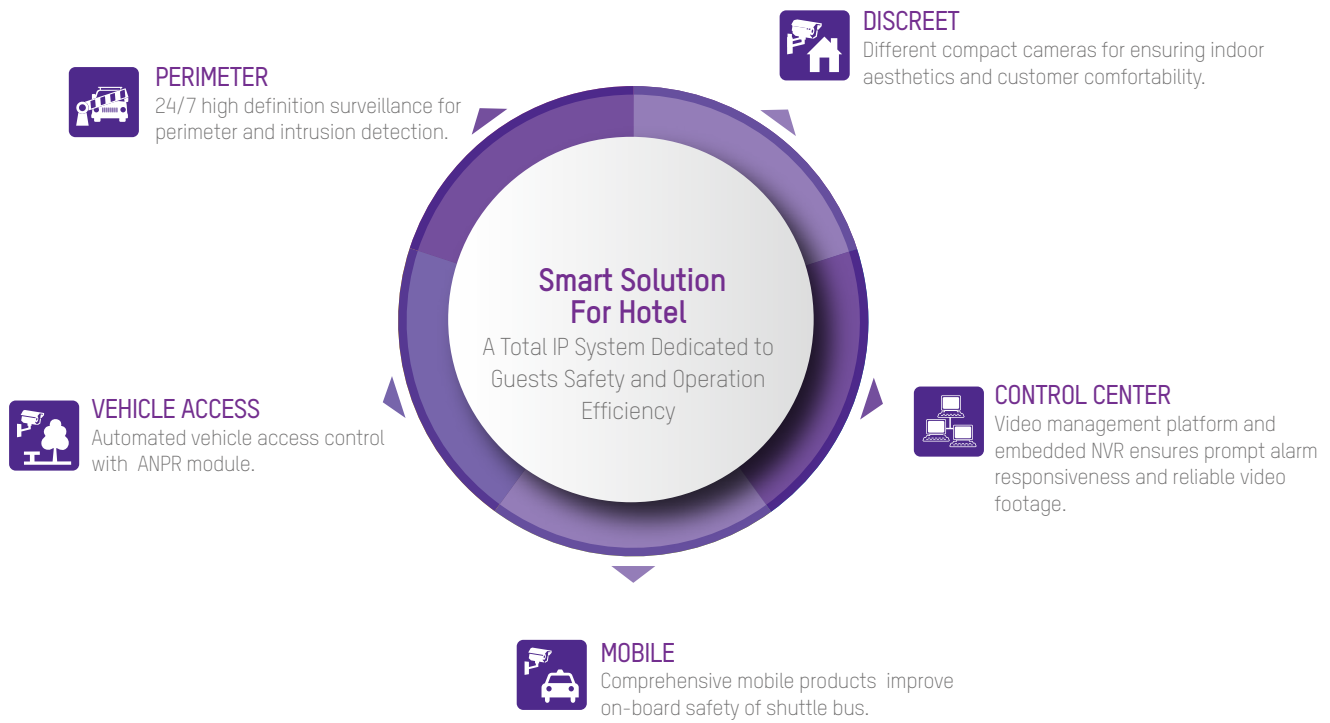SUPERIOR HOSPITALITY SERVICES
SMART HOTEL SOLUTION

HOTEL

The Smart Solution for Hotels is a complete IP surveillance system for hotel security. The solution provides around-the-clock protection with industry-leading low-light technology, automated vehicle access control automatic number plate recognition (ANPR) module, and automatic event alerts with Smart detection. The Smart Solution includes integrated IP products such as IP cameras, NVRs, and video management software — helping to create a reliable, flexible security platform for hotels.

SMART SOLUTION FOR HOTEL SAFETY

• Ensure around-a-clock safety for guests and staff
• Improve vehicle access management and customer experience
• Decrease CCTV intrusiveness
• To have a reliable footage for post-investigation

TOTAL IP SYSTEM

PERFECT VIEW

PERIMETER
24/7 high definition surveillance for perimeter and intrusion detection.

DISCREET
Different compact cameras for ensuring indoor aesthetics and customer comfortability.

Smart Solution For Hotel
A Total IP System Dedicated to Guests Safety and Operation Efficiency

VEHICLE ACCESS
Automated vehicle access control with ANPR module.

CONTROL CENTER
Video management platform and embedded NVR ensures prompt alarm responsiveness and reliable video footage.

MOBILE
Comprehensive mobile products improve on-board safety of shuttle bus.

Security Center

| NVR | Storage Server | CMS Client | CMS Server | Controller/Decoder | TV Wall |

Entrance Control

Teller Camera — ANPR Camera

Shuttle Bus On-board Monitoring

Mobile Camera — Mobile NVR

PVR

LAN

Wi-Fi, 3G, 4G

Wi-Fi, 3G, 4G

Switch

Network Camera

Network Camera

Network Camera

HOTEL

HIGHLIGHTED TECHNOLOGY

■ Smart Codec – H.264+ Optimized Compression

An efficient way to manage super high resolution video footage.
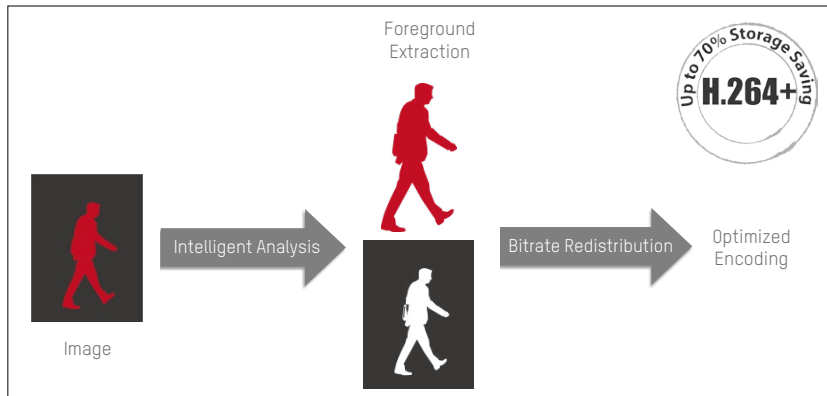
Analytic + Compression

The moving target is extracted from the static background, using a different codec for each element.

- Background-based predictive smart encoding
- Enhanced noise suppression
- Optimized, long-term bitrate control

H.264 (25fps)

H.264+ (25fps)

In a static nighttime environment, the bitrate of H.264+ can reach up to 50~60Kbps, 10~20x over standard H.264 codec, that not only saves bandwidth rresources, but efficiently decreases storage requirements.

- more encoding improvement
- more transmission efficiency
- more storage saving

■ ANPR Module

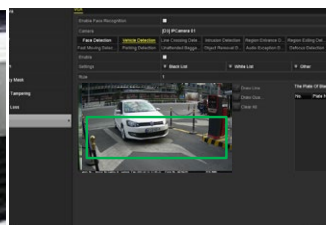A critical element in access control
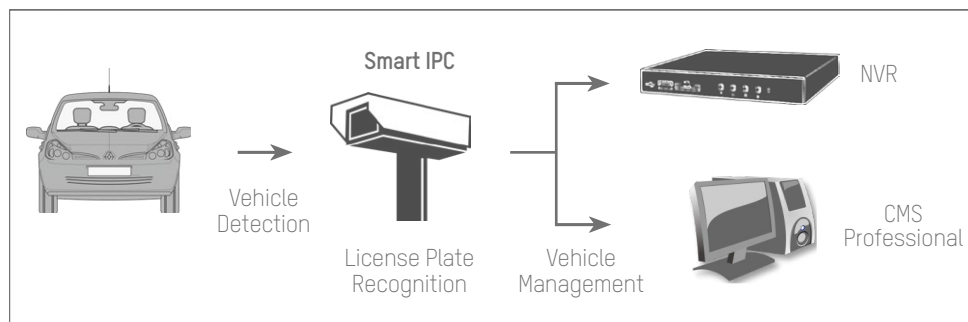
ANPR System

- License Plate Comparison
- B/W List Filtering
- Alarm Triggering
- Result Query
- Result Export
- Auto Network Recovery (ANR)
- ANPR Remote Configuration

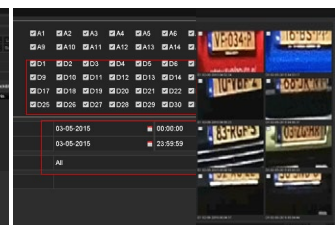* The exact functionalities may vary based on local strategy and product development.

License Plate Recognition
- Entrance Time Recording
- Plate Number Recording

Vehicle Management
- Auto Comparison
- Blacklist Filtering
- Alarm Triggering

Smart Search /Smart Backup
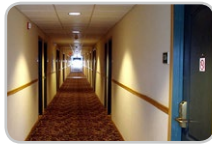- LPR Searching
- Post-event Investigation

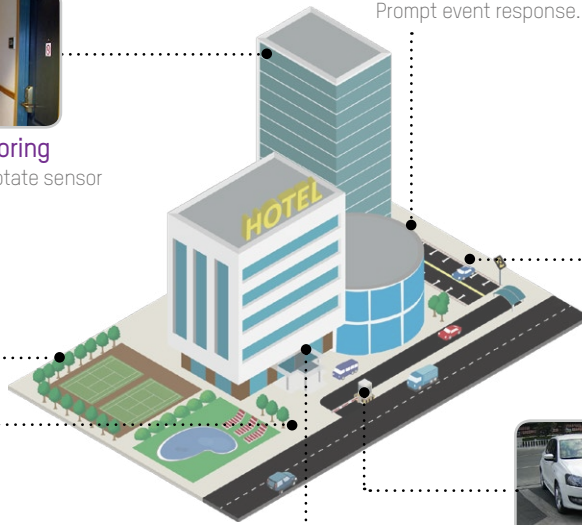### Vehicle Detection
- GEO Tracking
- Increases security

Security Center
System reliability, Data safety,
Prompt event response.

Hallway Monitoring
Less obtrusive, rotate sensor
mode in hallway.

Parking Surveillance
Excellent low-light capability
for nighttime monitoring.

Perimeter Protection
High resolution,
Long distance monitoring.

Vehicle Access Management
ANPR recognition, barrier linkage,
Blacklist/VIP list filtering.

On-board Mobile Tracking
Robust on-board recorder,
HD mobile cameras for different
vehicle type.
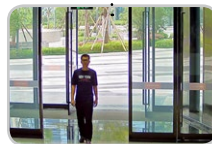
Lobby Monitoring
Clear visibility in strong sunlight condition,
Large area and heavy people flow require
high definition and smooth video.

Vehicle Access

How can we efficiently control vehicle access and be aware of our special guests' vehicles?

Bullet cameras, which are weatherproof and feature ultra-low-light capability, excellent light compensation, ANPR capability, vehicle color identification, and alarm functions, among other features, use vehicle barrier linkage to easily control vehicle access.
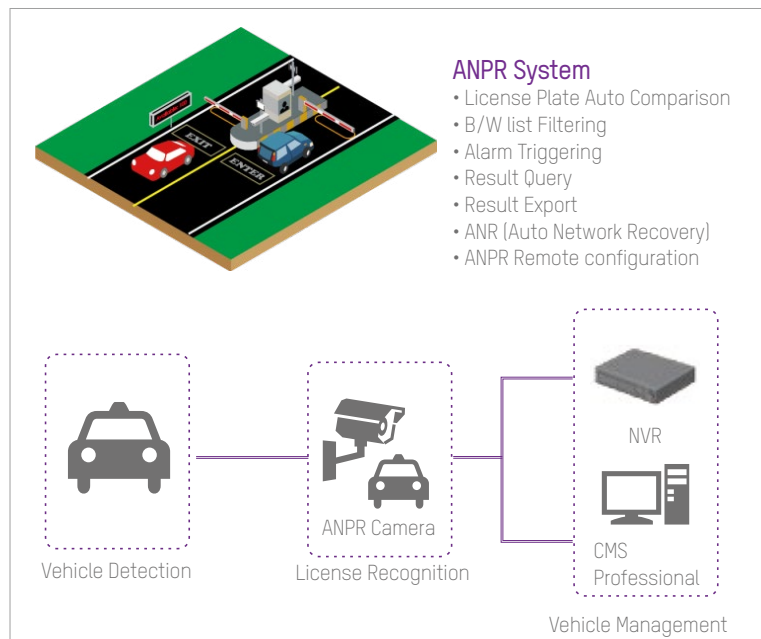
* ANPR support requires a customized process, and the availability of regional support varies based on local algorithm development.

ANPR System
• License Plate Auto Comparison
• B/W list Filtering
• Alarm Triggering
• Result Query
• Result Export
• ANR (Auto Network Recovery)
• ANPR Remote configuration

Vehicle Detection

ANPR Camera

License Recognition

NVR

CMS
Professional

Vehicle Management

* The exact functionalities may vary based on local strategy and product development.

Perimeter Protection

### How can we keep our perimeter secure and remain prepared for unexpected events?

Utilize HD products that provide up to 4K high resolution, 200-meter infrared (IR) range, and are resistant to extreme weather conditions and vandalism. HD offerings also include full HD 1080p video with an outstanding frame rate of 60 fps, as well as Smart detection technology including: line crossing detection, intrusion detection, region enter/leaving, etc. These tools can help keep your perimeter secure.

Smart Intrusion Detection
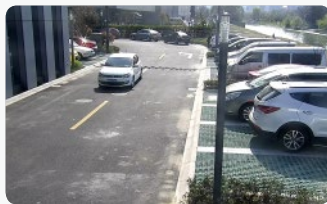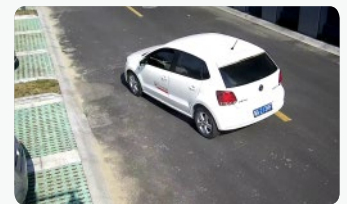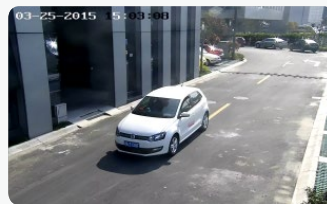
Lobby Monitoring
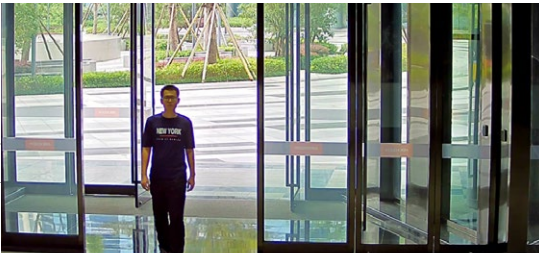
How can we clearly see what happens inside the building as well as outside?

The indoor IR dome camera features an industry-leading 140dB wide dynamic range, triple exposure technology, and up to 30 meters of IR vision to provide a crystal-clear view.

LIGHTFIGHTER

140dB Triple-Exposure WDR

Conventional Camera

Lightfighter Camera

Parking Surveillance

How can we cover large areas such as parking lots and automatically detect intruders?

Outdoor IR PTZ camera can efficiently solve this problem with its 23x optical zoom, Smart detection features, and 200-meter IR range — not to mention industry-leading low-light technology.
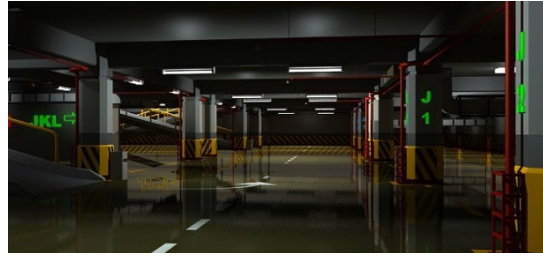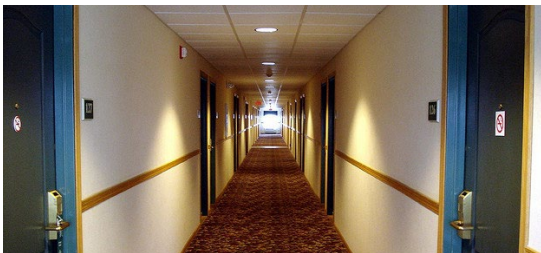
How can we get a crystal-clear images in dimly lit environments?

High-performance, vandal-proof DarkFighter camera can deliver a vivid, noise-free images in environments with dim lighting.
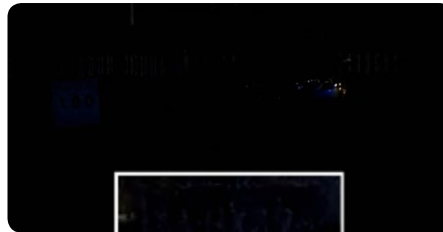
Hallway Monitoring

How can we create a less obtrusive environment despite the presence of cameras?

Monovu Dual Lens Camera, with its compact footprint and recessed mount support, can help to create a more comfortable guest experience. In addition, a wide-angle, compact mini dome can cover all areas of elevator cabins. A comprehensive onboard IP monitoring system helps to ensure safety on shuttle busses.
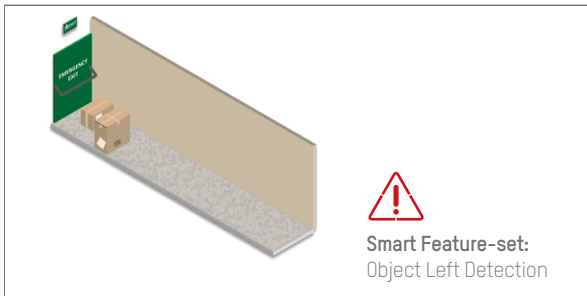
- Compact size
- Installation labor saving
- One camera delivers two different monitoring views

* ANPR support requires a customized process, and the availability of regional support varies based on local algorithm development.

Horizontal shape

Rotate Mode

HOTEL

Elevator Monitoring

Emergency Exit

How can we be notified automatically when an emergency exit is blocked?

IP cameras with Smart detection functionality can automatically detect objects in predefined areas and trigger an alarm.

⚠
Smart Feature-set:
Object Left Detection

Mobile Tracking

How to keep an eye on moving shuttle bus?

A comprehensive on-board HD IP system ensures shuttle bus safety on the right way
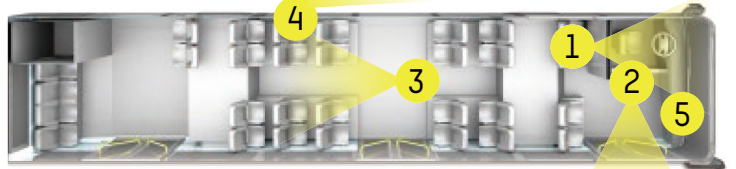
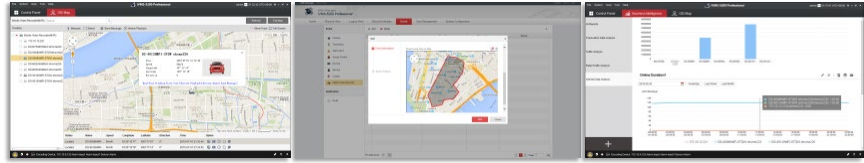Inner-vehicle Camera

Outer-vehicle Camera

Mobile Recorder

Die-cast aluminum

HDD Full Enclosed Protection

Aviation Connection

Industrial-leading anti-vibration technology

Security Center

| Real-time Tracking | Routine Playback | Exception Alarming | Instant Messaging | Analytic Reporting |

Storing critical video footage of daily operations in a bank's security center is a core component of a total CCTV system. It requires the utmost reliability and manageability for data protection and security operations.

- **Embedded NVR:** We have the richest embedded network recorder product line – from 4 channels to 256 channels – for every level of need
- **Video Management Platform:** CMS Video Platform is the CCTV system core that manages, views, plays back, and controls all the daily operations among all devices
- **Network Storage Server:** A must-have product line for total secure data storage
- **Monitor Display System:** From standalone monitors to large TV walls, we have it all

Storage Server

Modularized design and hot plugging for easy maintenance

Double controller & power module for data safety

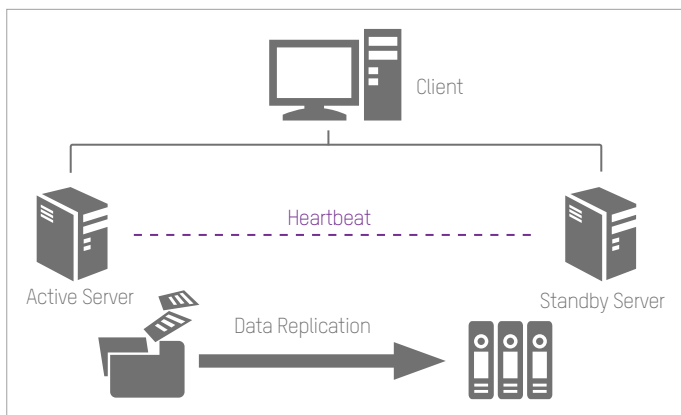Supports CVR mode for better return on investment
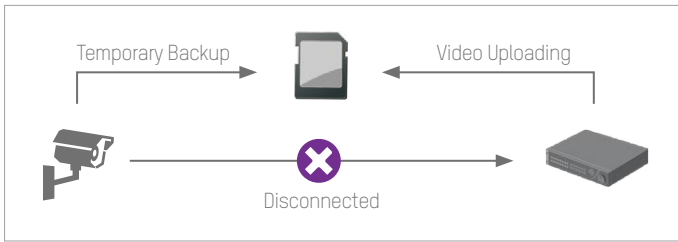
Decoder

LAN

Video Wall Controller

TV Wall

Client

Heartbeat

Active Server

Data Replication

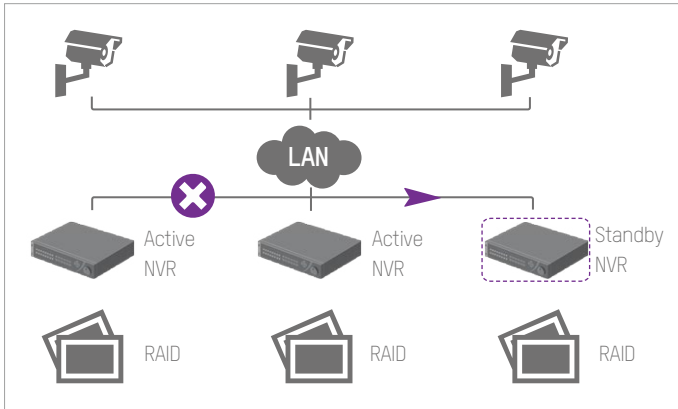Standby Server

Data Safety
Server Redundancy Design
- Active & standby servers
- "Heartbeat" function automatically backs up users' information if one server is interrupted
- Ensures users' live view and playback in case of failove

HOTEL

Data Safety
Auto Network Recovery (ANR)
- Auto backup if network connection is interrupted
- Data moves from SD card to back-end device while network connection is restored
- We recommended using Hikvision brand Micro SD card for ANR storage
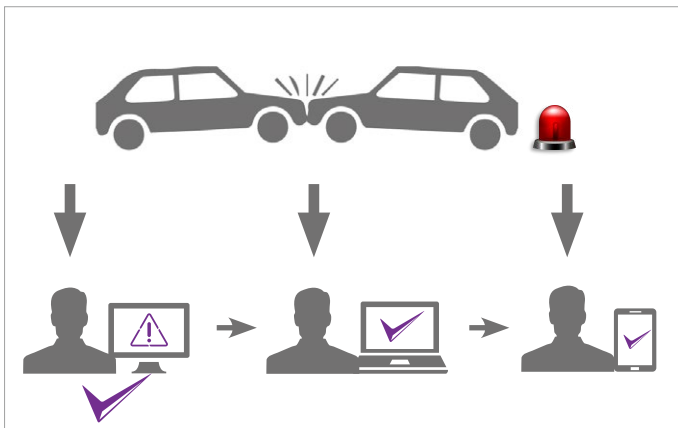
Data Safety
RAID & N+1 Failover
- Single-spot storage backup:
Multi-RAID supported by embedded NVR and Storage Server
**- Multi-spot storage backup:**
When any active NVR is out of service, the standby NVR can take over recording automatically

Alarm Management
Multi-users Notification
- Real-time alarm notifications sent to iCMS's control clients
- Even mobile clients can receive notifications
- One-Check-All mechanism allows one user to handle the event and others to simply receive notification
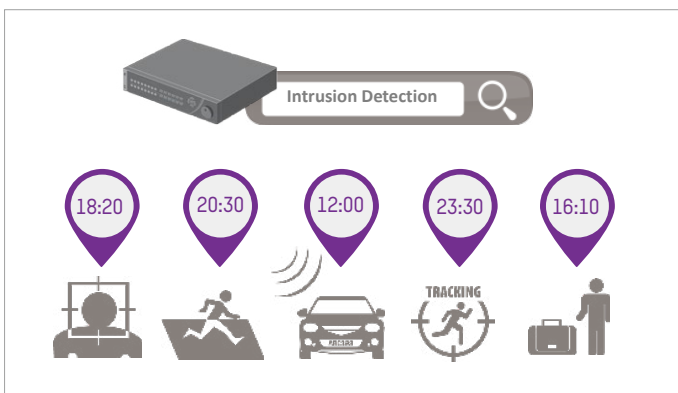
Large Data Management
Smart Search
- Fully compatible with Smart IP Cameras
- Easy and quick event search for snapshots and video recording
- Plays back the target event footage at standard speed and can fast-forward (up to 16x)
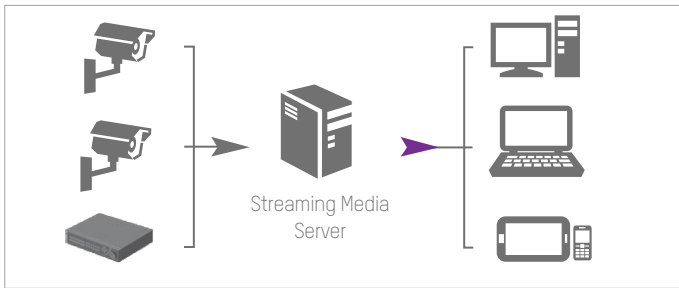- Unrelated video can be skipped during playback
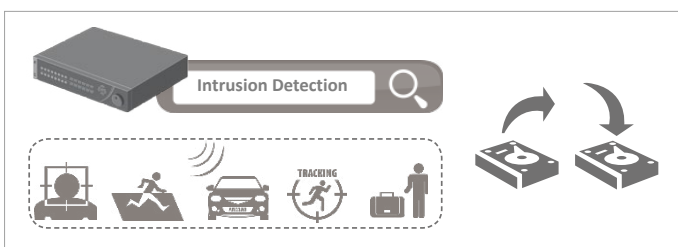
Large Data Management
Smart Backup
- Supports event footage backup
- Saves maximum storage space

Transmission Optimization
**Streaming Media Server**
- Streaming Media Server enable multiple users to live view or playback the same camera with only one channel bandwidth transmission;
- 1 Streaming Media Server supports up to 200 x 2Mbps video data streaming and up to 200 channels.

APPLICATION REFERENCE

■ Grosvenor House, Dubai

Wide Dynamic Range cameras utilized in the hotel, mainly at the entrance area approved to be a real success as the cameras accurately identified incoming and outgoing customers in difficult lighting conditions.
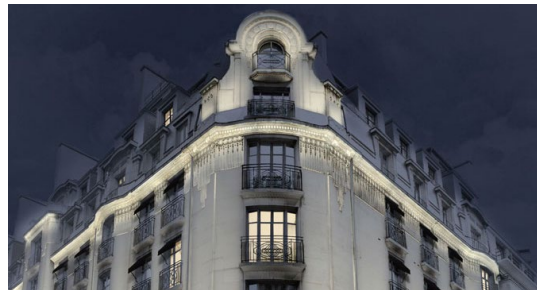
■ Sofitel, France

Network cameras are tasked with Sofitel's main hallways, emergency exits, and interior corridors leading to guests' rooms. The cameras well deliver paramount image resolution to handle different lighting environments ... and all within a discreet design.

■ Atlantis The Palm Hotel, Dubai, UAE

■ Sheraton Bangalore, India

■ Best Western Plus Sunset Plaza Hotel, CA, USA

■ Hotel Intercontinental Doha, West Bay, Qatar

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