



A SMART GUARD
THAT NEVER SLEEPS
SMART PARKING AREAS SOLUTION

 smart solution **2.0**

PARKING AREAS

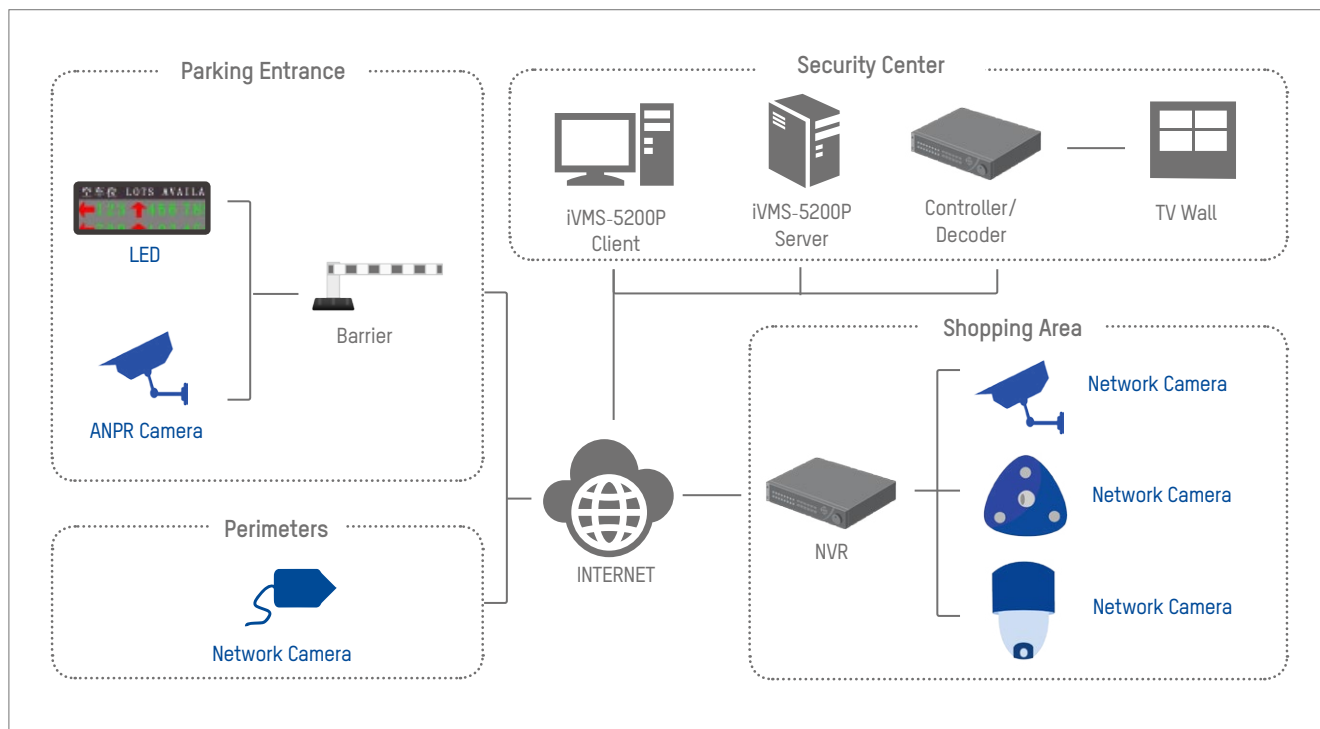
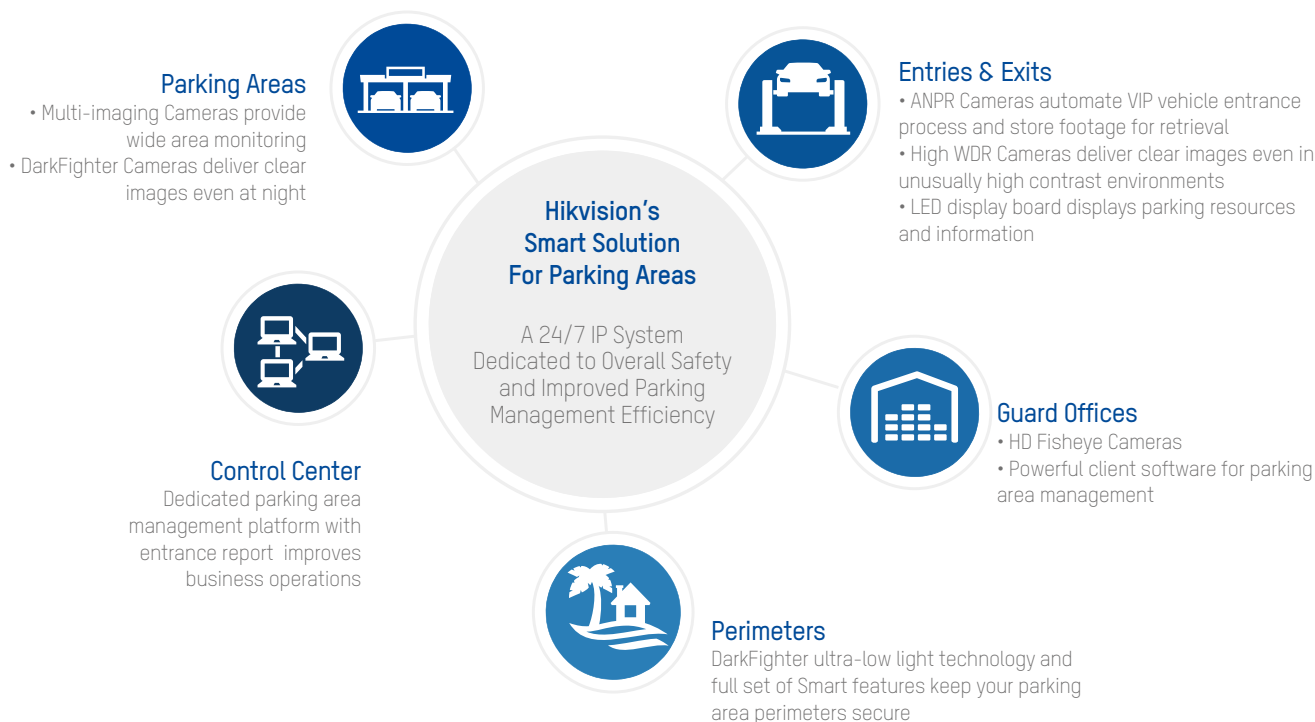


Most people don't spend much time thinking about parking area safety. But protecting vast amounts of open, accessible areas is a critical and difficult task for security personnel. 24-Hour security, every day, is essential for complete protection of customers' and visitors' vehicles – but it's not always practical. That's why Hikvision's Smart Parking Security Solution makes security easy. With Smart functions, statistical reports, and automated access management, our surveillance cameras, recorders, and access controllers work for you, making your job easy. With a powerful central management platform, cameras that capture sharp color images in extremely low-light environments, automated vehicle number plate recognition, and much more, Hikvision provides everything your parking area needs to ensure efficient, intelligent management – 24 hours a day, 7 days a week.

Take a look at the great products we offer in this brochure. We are sure you will find a powerful, essential and complete security solution to protect your parking areas. Ask your distributor for Hikvision's Smart Parking Solution today, and enjoy the confident assurance of Smart surveillance and security.

SMART SOLUTION FOR PARKING AREAS

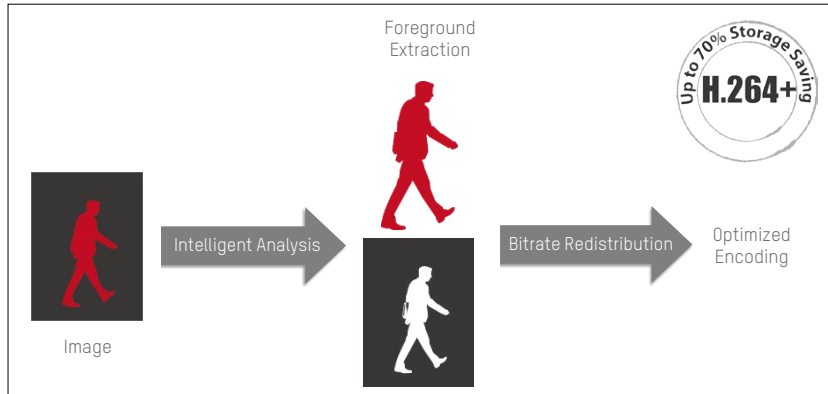
- Ensures 24/7 surveillance of entire parking areas
- Enhances parking lot management efficiency
- Captures reliable, high-definition footage for post-event investigation



HIGHLIGHTED TECHNOLOGY

Smart Codec – H.264+ Optimized Compression

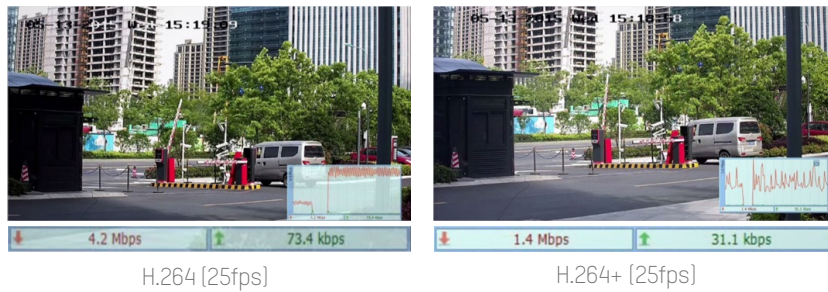
An efficient way to manage super high resolution video footage.



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

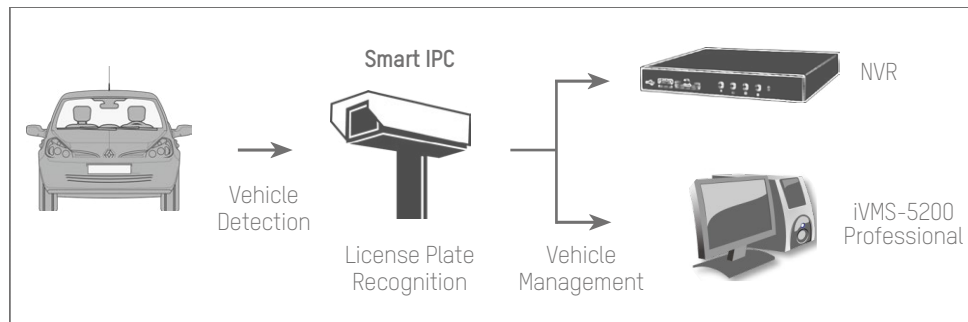


In a static nighttime environment, the bitrate of H.264+ can reach up to 50-60Kbps, 10-20x over standard H.264 codec, that not only saves bandwidth resources, but efficiently decreases storage requirements.

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

ANPR Module

A critical element in access control



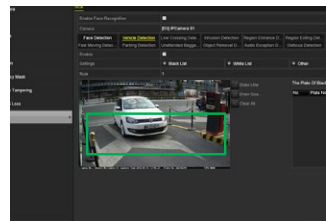
Hikvision ANPR System

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

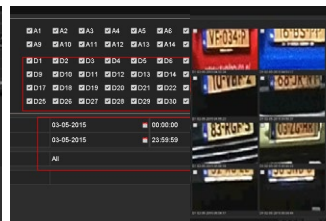
* The exact functionalities may vary based on local strategy and product development.



- License Plate Recognition**
- Entrance Time Recording
 - Plate Number Recording



- Vehicle Management**
- Auto Comparison
 - Blacklist Filtering
 - Alarm Triggering



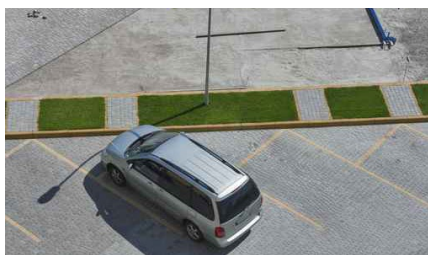
- Smart Search /Smart Backup**
- LPR Searching
 - Post-event Investigation



- Vehicle Detection**
- GEO Tracking
 - Increases security



Parking Area Monitoring



PanoVu

Large parking lots require vigilant management to ensure the flow of traffic and HD footage and to resolve disputes when accidents happen. Hikvision's Solution provides Smart features to keep your parking areas operating efficiently and your visitors pleased.

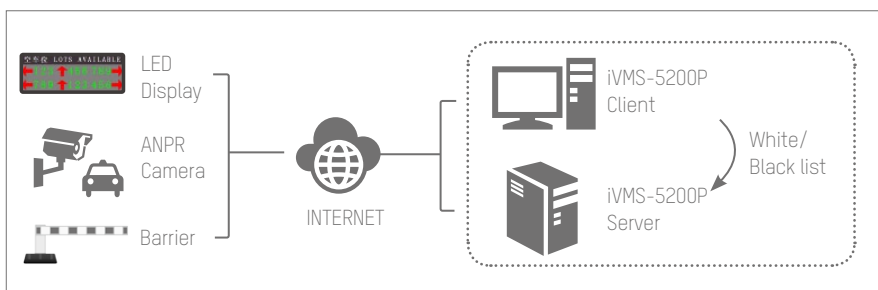
- **Multi-Imaging Cameras:** Hikvision's multi-imaging camera series are equipped with four or eight fixed imagers to provide a 180-degree or 360-degree panoramic horizontal view. One HD PTZ camera can provide highly detailed images even in dimly lit environments.
- **DarkFighter Cameras:** Parking area lighting can be a tremendous challenge, but Hikvision's DarkFighter Camera captures sharp color images – even at low, starlight levels.

Entrance Monitoring



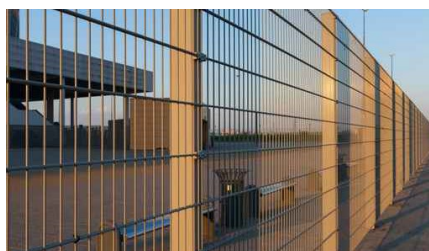
For large parking lots, high customer flow may create parking entrance congestion. Effective parking safety and management are critical concerns, especially in retail sectors.

- **ANPR Cameras:** With automatic number-plate recognition, Hikvision cameras can recognize VIP vehicles and automatically verify entry.
- **LED Display Panel Integration:** By integrating an LED display panel at the entrance, all available parking resources and information can be easily displayed for customers.



- ANPR Cameras automatically recognize a vehicle's plate number and display it on the Control Center screen
- Blacklist/Whitelist function with barrier integration enables automatic VIP vehicle entrance and can be modified easily according to requirements
- LED screen displays the available lot information to customers in real-time

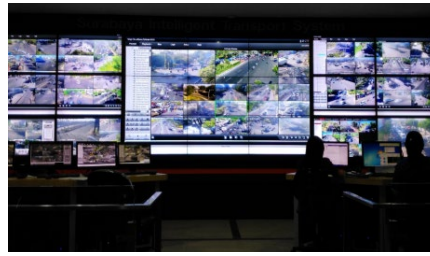
Perimeter Protection



Utilize Hikvision HD products that provide up to 4K resolution, 200m IR range, and Smart detection technologies to best protect perimeter security.

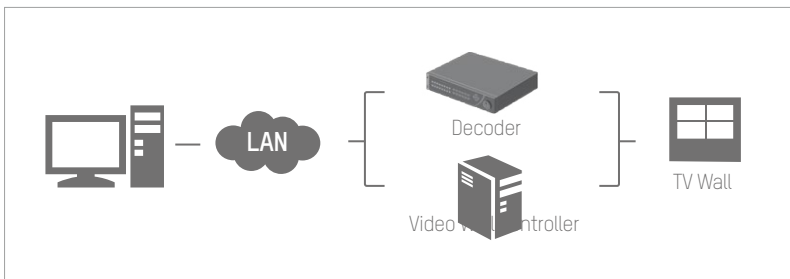
- **4K PTZ Camera:** Deliver 4K HD picture with integrated Smart Auto Tracking and Detection function to detect and identify abnormal event happening across perimeters

Security Center



Compiling all the critical video from daily operations, the central office management center is the core of a total CCTV system. It provides the utmost reliability and manageability for data protection and alarm response. It also provides a means for improvements in business operations.

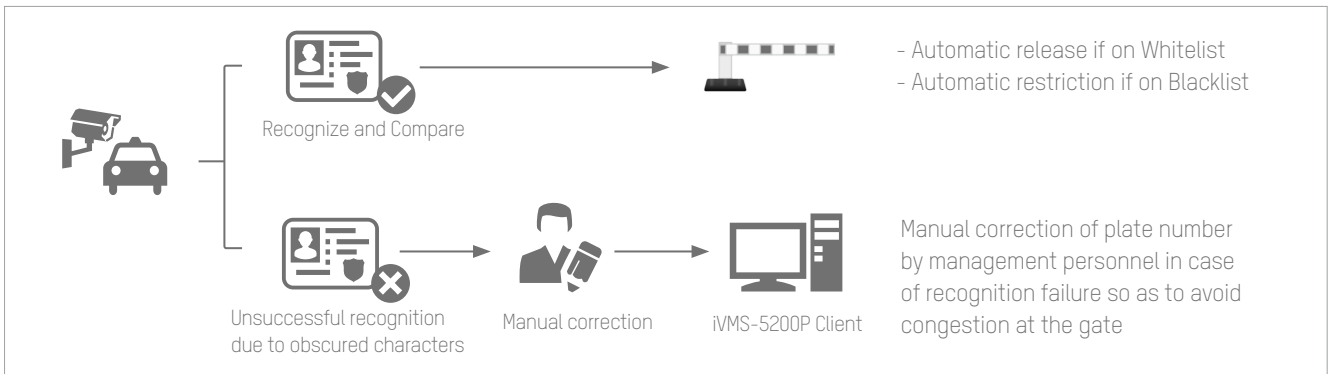
- **Video Management Platform:** The iVMS-5200P Video Platform is the core of the CCTV system to manage, view live, play back, and control all the daily operations on all connected devices.
- **Monitor Display System:** Everything from standalone monitors to expansive TV walls.



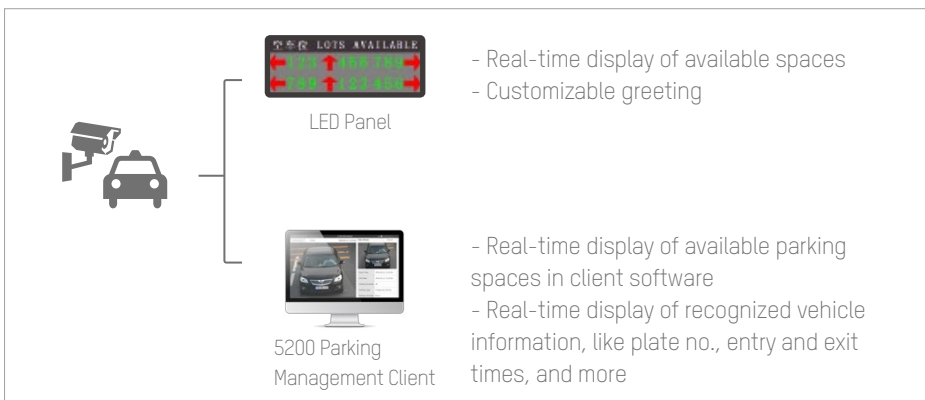
Hikvision Display System

- LCD/LED/DLP video wall displays of different sizes are available to meet any requirement
- Powerful Decoder/Controller products support flexible screen jointing and window roaming
- One system supports integration of up to 72 screens into one video wall
- Supports multiple signal input types – Including DVI – to display signals from PCs on video walls

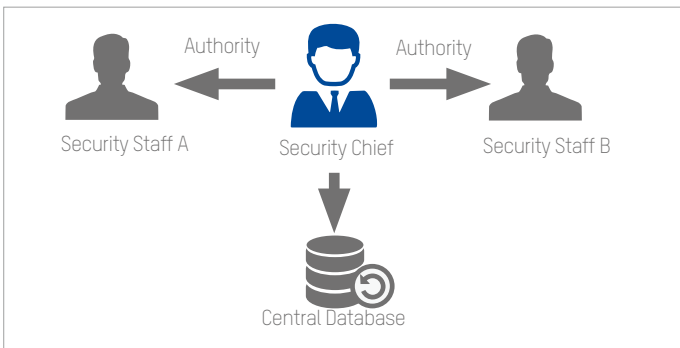
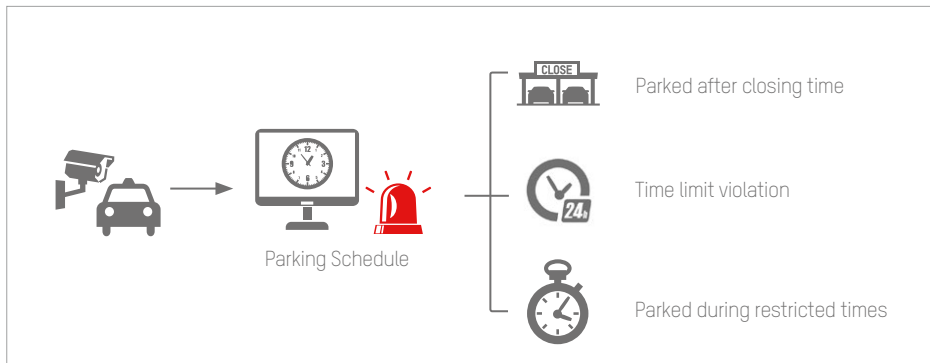
Parking Management Efficiency Improvement Smart VIP List and Manual Plate No. Correction



Real-Time Information Display and Parking Events

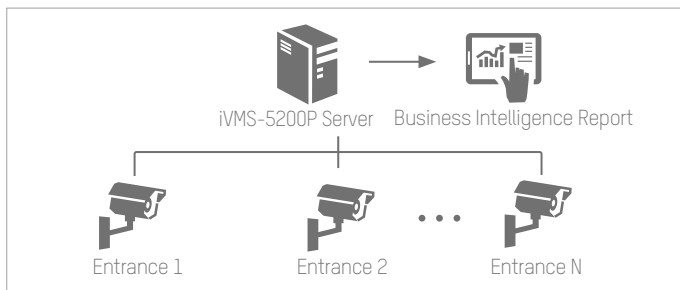


Multiple Parking Violation Alarms to Expedite Response



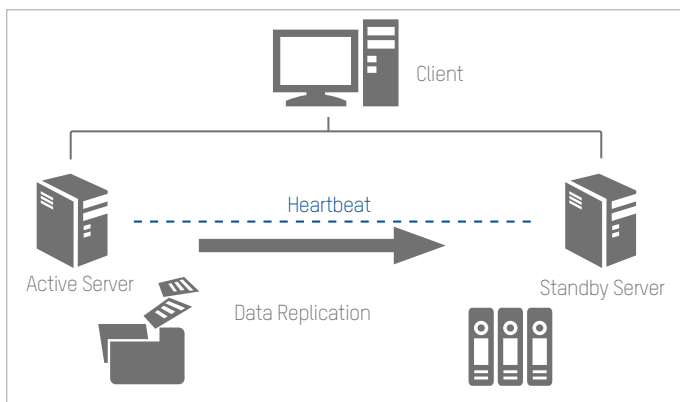
Centralized Management Security Operator Authority

- Centralized management of security personnel and authorities
- Security personnel have assigned authority levels, such as live view, playback, area cameras, or PTZ control
- Higher permission-level users have priority control over the system, i.e., they can takeover PTZ control, force logout of lower-level users, and more



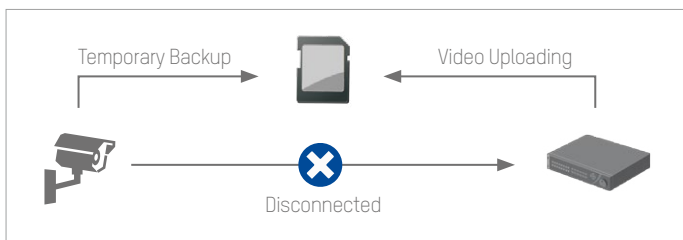
Business Operation Assistance Business Intelligence Reports

- Generation of multiple parking area reports, including reports of multiple entries & exits, and parking times of vehicles.
- Business reports inform management personnel of daily parking and visitor statistics, such as normal parking times, etc.



High Data Safety Server Redundancy Design

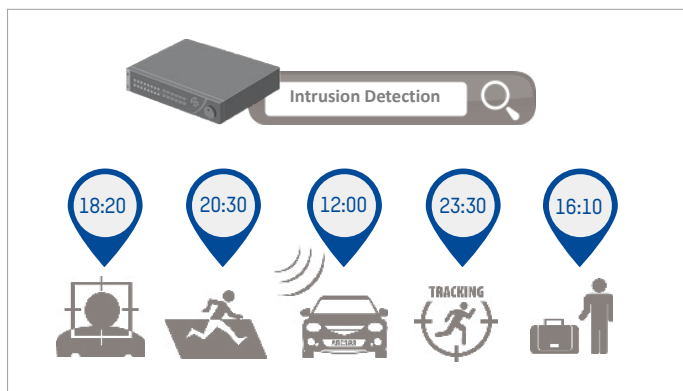
- Active & standby servers
- "Heartbeat" function automatically backs up users' information if one server is interrupted
- Ensures users' live view and playback in case of failover



High Data Safety
Auto Network Replenishment (ANR)



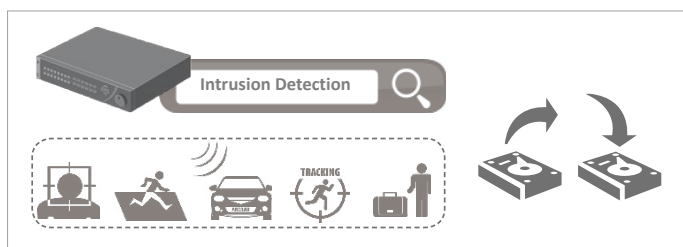
- Auto backup if network connection is interrupted
- Data moves from SD card to back-end device while network connection is restored
- We recommended using Hikvision brand Micro SD card for ANR storage



Mega Data Management
Smart Search and Play Back



- Fully compatible with Hikvision Smart IPCs
- Quick, easy search for snapshots and recorded video based on plate numbers or keywords
- Playback the desired event footage at standard speed and fast-forward (up to 16X) to skip past unrelated video



Large Data Management
Smart Backup



- Supports event footage backup
- Saves maximum storage space

PRODUCT SHOWCASE

Parking Area Monitoring



DS-2CD4025FWD-A (P)
 DarkFighter Camera

- Darkfighter Ultra-low light technology
- 1920x1080 high resolution
- Full HD1080p video, up to 60fps
- 120dB WDR
- 2.8-12mm Motorized VF lens Smart Auto Focus
- Up to 70m IR range
- IP66 and Vandal-proof protection
- AC24V & High PoE
- Support on-board storage, up to 128GB
- On-board ANPR Analytics, B/W list filtering
- Built-in Smart Heater (-H)
- Audio/Alarm IO connectors (-S)
- Support Barrier linkage via RS485



DS-2CD6986F (-H)
 PanoVu Multi-imagers
 DarkFighter Camera
PanoVu

- 4x 2MP Darkfighter imagers
- On-board stitching, up to 8MP resolution
- Up to 4096x1800 180°panoramic view
- 5mm fixed lens
- Ultra low-light capability
- Support on-board storage, up to 128GB
- Audio/Alarm IO interfaces
- IP66 weather-resistant protection
- DC12V & PoE power supply
- Built-in heater & fan optional (-H)

PRODUCT SHOWCASE

Entrance Monitoring



DS-2CD4626FWD-IZS(H)
ANPR Camera



- Darkfighter Ultra-low light technology
- 1920x1080 high resolution
- Full HD1080p video, up to 60fps
- 120dB WDR
- 2.8-12mm Motorized VF lens Smart Auto Focus
- Up to 70m IR range
- IP66 and Vandal-proof protection
- AC24V & High PoE
- Support on-board storage, up to 128GB
- On-board ANPR Analytics, B/W list filtering
- Built-in Smart Heater (-H)
- Audio/Alarm IO connectors (-S)
- Support Barrier linkage via RS485

Perimeter Protection



DS-2DE8836I-AEL(W)
Outdoor Smart PTZ Camera
4K

- 4096x2160 high resolution
- 36x Optical Zoom
- Smart Auto Tracking
- Smart Detection
- Defog
- Up to 200m IR range
- IP66 Weather-resistant housing
- IK10 Vandal-resistant protection
- AC24V & High PoE
- -W: with Wiper

Security Center



DS-96128/256NI-F16/F24 (H)
Embedded Super NVR

- Maximum 400/640Mbps bitrate Input
- Support 3rd party network cameras
- Up to 8MP resolution recording
- HDMI & VGA output (1920x1080p)
- Support RAID0, 1, 5, 10
- Support redundant power supply
- F16: 16x SATA; F24: 24x SATA
- 1x eSATA, 1x mini SAS, 3x USB 2.0
- /H: support up to 12-ch HDMI output & LCD touch screen



DS-9632/64NI-I8
Embedded 4K NVR

- Maximum 320Mbps bitrate Input
- 200Mbps bitrate input (RAID enabled)
- Support 3rd party network cameras
- Up to 12MP resolution recording
- Support H.264/H.264+/H.265 video format
- 2x HDMI & 2x VGA output (3840x2160)
- Support RAID0, 1, 5, 10
- Support redundant power supply
- Dual digital network interfaces
- 8x SATA, 1x eSATA, 2x USB2.0, 1x USB3.0
- 19-inch rack-mounted 2U chassis



DS-A81016S
Network Storage System

- High performance 64 bit RISC processor
- Up to 16 HDD, 4TB maximum capacity for each
- Up to 180-ch 4CIF real-time recording
- iSCSI/NFS/CIFS/FTP/HTTP/AFP protocols
- Support RAID 0, 1, 3, 5, 10, 50
- Support HDD hot-swapping
- Dual Gigabit network interfaces
- Modularized design for easy maintenance
- Redundant power design for high reliability



iVMS-5200 Professional
Video Management Platform

- Centralized device & user management
- Maximum connected devices per system: 1024
- Maximum 16 control client
- Maximum 16 web client
- Maximum 24 mobile client
- Support 3rd party integration via ONVIF & SDK
- Additional add-on modules:
 - LPR: license plate recognition
 - Transaction: POS integration + CCTV footage
 - Business Intelligence: people counting, heat mapping and retail traffic analytic
 - GIS: Vehicle tracking, GEO fencing