

OPTIMIZE BUSINESS EFFICIENCY AND INTELLIGENCE SMART RETAIL SOLUTION FOR SPECIALTY STORES



WITH HIKVISION AS YOUR INTEGRATION PARTNER, YOU WILL STAND ON A SOLID FOUNDATION.

RAPID GROWTH

Hikvision is the world's leading supplier of video surveillance products and solutions, featuring the industry's strongest R&D workforce and state-of-the-art manufacturing facilities. In just 15 years, Hikvision has developed from being a single-product provider to a complete product and solution provider and a global market leader.

GLOBAL REACH

- 25 Regional Subsidiaries
- 57% of Employees in International Business Center are locals



BROAD PORTFOLIO

Hikvision's success stories extend over a number of vertical markets. Each year, we add new successes to our list. Still a relatively young company, we continually conquer new applications, building excellence and intelligence into all we do.

Our successful vertical market applications around the world include:

- Smart buildings
- · City surveillance
- · Parking facilities
- · Banking and finance
- · Critical infrastructure
- · Hotels, casinos, and resorts
- · Retail centers and warehouses
- · Police, military, and mobile law enforcement
- Education, transportation, healthcare and more!



FUTURE INNOVATION

Hikvision re-invests upwards of 7% of annual revenue into RSD. We hold over 600 copyrights [100+ increase from 2016] and 1,300 patents [400+ increase from 2016]. Of our 20,000 employees, we employ over 8,000 engineers, of which over 2,000 are software engineers.

Hikvision's Research Institute conducts innovative research and development to keep us at the forefront of technology.

- Research topics: Perceptive Technology, Intelligent Analysis Technology, Big Data and Cloud Storage Technology, and Multimedia Technology.
- The largest R&D team in Artificial Intelligence in the security industry.
- · Sophisticated experience of video target detection, image segmentation, video structuring and video retrieval.
- Ranked No.1 in Scene Classification at ImageNet 2016 challenge and ranked top in the MOT Challenge Evaluation.

STRONG NAME

Hikvision continues to build close partnerships with distributors, system integrators and installers, as well as third-party technology partners. Today, Hikvision has over 350 technology partners globally.

ECOSYSTEM PARTNER PROGRAM WE SUPPORT YOU ALL THE WAY!

When joining this partner program, you will enjoy access to a wealth of technical and commercial resources, and we ensure that your solution enjoys strategic marketing through our communication channels. You will also get instant access to our entire sales organization. A vital part of our program is the streamlined online communication with our technical teams as well as the tools to plan the go-to-market activities.

PROGRAM TOOLS AND BENEFITS

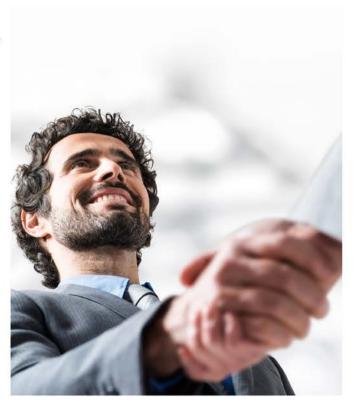
- ISAPI Hikvision unifies the Application Programming Interface for all products
- **HEOP** The Hikvision Embedded Open Platform enables you to download and run your applications directly in the cameras
- **Device Simulator** Simulate communication protocols for testing and development
- Integration Checker Tool Test your applications against the online integration checker tool
- H-Certification Certify your integration/application as proof of compatibility

SUPPORT

- · SDK Training
- Integration Support
- · Access to Integration Resources

SALES & MARKETING

- · Dedicated Business Development Planning
- · Networking Opportunities with the Hikvision Salesforce
- · Co-marketing and Event Opportunities



SMART SOLUTION 2.0 FOR RETAIL SPECIALTY STORES



Artisans, fashion designers, and craftsmen enhance culture and enrich people's lives every day with creativity from their hearts and hands. They draw people to their specialty shops and stores from all around the world. And in doing so, they become vulnerable to subtle dangers.

But there is a solution. More than just security, Hikvision's Smart Solution 2.0 packs the most advanced technologies into complete end-to-end solutions for shopping areas of any kind. Video surveillance, business intelligence, parking area data, and more all come together in flexible and powerful components from the world's number one security solution provider.

- Ensures around-the-clock safety for customers, staff, and merchandise.
- Resolves transaction disputes and supports loss prevention strategies
- Central management of entire store chains and business operations





Cashiers

Transaction Data Overlay with video protects against POS transaction manipulation and shoplifting



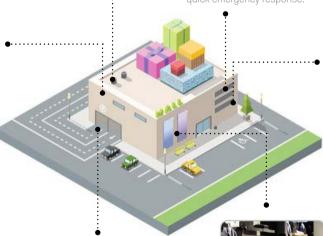
Security Center

Security desks require real-time monitoring in critical shopping areas for quick emergency response.



Shopping Areas

- High resolution fisheye cameras for panoramic view without blind spots
 Recessed-mount camera provides less
- intrusive security
 A centralized video management
- A centralized video management platform allows headquarter-access of branch surveillance video streams and playback



Warehouses

Mini-dome camera covers small, in-store warehouse and storage areas



Entrances

Dual-lens camera accurately counts customer entry and exit from multiple doorways



Showcase

Discrete monitoring by covert and pinhole cameras for more comfortable shopping experiences

MONITORING ENTRANCE

The entrance and lobby areas are the most frequented locations, requiring highly detailed facial imaging even in high-contrast lighting.



• Super WDR Cameras:

Hikvision LightFighter Series cameras feature industry-leading 140 dB wide dynamic range and triple exposure technology, providing crystal clear image quality even in high contrast sunlit environments.

• Smart Detection:

Hikvision Smart IP cameras have the full set of Smart features, such as intrusion detection, object left/removal detection, and more, for powerful security management.









Conventional Camera



LightFighter Camera

MONITORING SHOPPING AREA



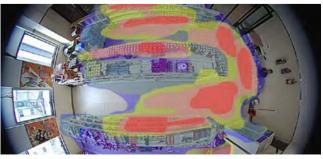
2 x Panoramic View

In spacious areas, fewer cameras means less installation & reduced labor. A high definition panoramic solution is ideal for these areas, providing maximum monitoring and image quality.





Fisheye



Fisheye with heat map function on





With high ratio optical zoom lens, The indoor PTZ camera offers more details over expansive areas. Suitable for wide ranges of high-definition monitoring, such as shopping malls, stations and other large venues, etc.





Hikvision Darkfighter Ultra Low-light cameras can ensure colored images in dimly lit environment for excellent nighttime visibility during off-hours





MONITORING IN-STORE WAREHOUSE



Warehouses and storage areas are often sought out by thieves, and even by employees on occasion. At least one security camera is advisable to watch over inventory.



MONITORING CONCEALED & DISCRETE



Hikvision's Mini & Covert Series Cameras give a more discrete and less intrusive solution to create a comfortable interior environment.





LOSS PREVENTION POS INTEGRATION





Hikvision's POS Solution connects surveillance video with transaction data at Points of Sale (POS). All scanned items can be displayed in live view and playback and can be programmed to trigger alarms. This allows managers to instantly playback or search for a specific transaction – even months after the event. This resourceful solution serves to reduce hidden shrink from theft or fraudulent POS activity.

Three ways to obtain POS data:

- Capture while POS data is sent for printing (via RS232/USB)
- Capture while POS data is sent to central database (via network)
- Forward via POS software





- NVR supports multiple POS protocols, including Universal Protocol, EPSON, AVE, and NUCLEUS, with even more on the way.
- In universal protocols, users can self-define tags indicating start line, line breaks, and end line.

BUSINESS INTELLIGENCE PEOPLE COUNTING



The Dual-Lens People Counting Camera can be integrated by third party through SDK or ISAPI

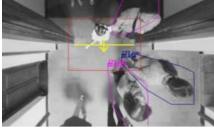
- Customer distribution reports, based on data collected from people-counting cameras in shopping areas during a specific time period, can be generated.
- Daily, weekly, and monthly customer distribution reports contribute to improved personnel scheduling and effectively enhance marketing strategies.





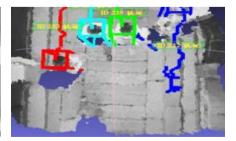
Anti-Interference

- Shadow or other objects will not cause miscounting
- Camera can identify two person as long as there is space between two heads



Height Filtering

Based on the height information in the 3D axis, the target height should be in the range of the human height, thus filtering the interference of the cart, baby carriage, etc.

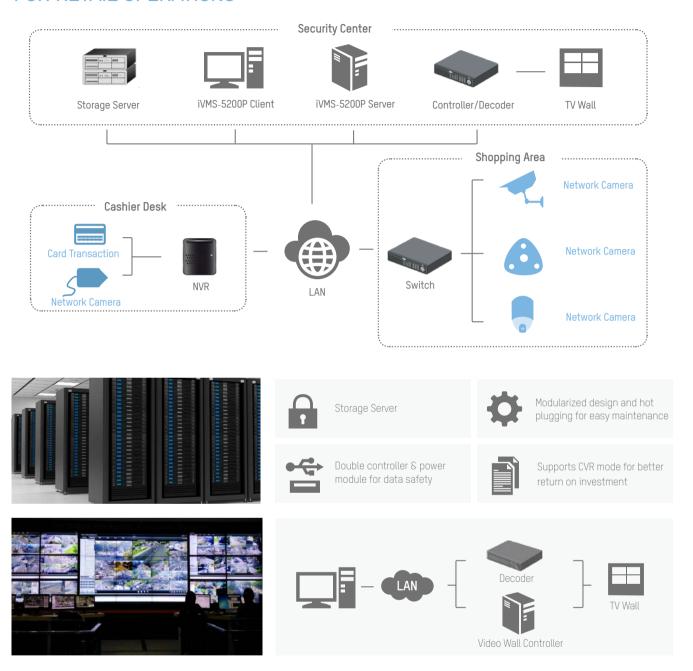


Loitering Filtering

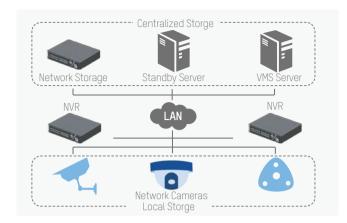
The camera can focus on a target and track it until it disappears in the image, thus effectively filtering the repeated count of the loitering target.



SECURITY CENTER FOR RETAIL OPERATIONS







Data Safety

Flexible Storage

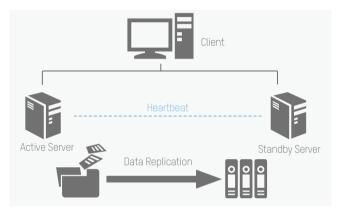


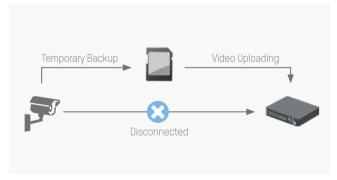
- 2-Layer storage for critical video recording
- NVRs for local storage Reliable and cost effective
- Centralized storage for key video back-up in the control center

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





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

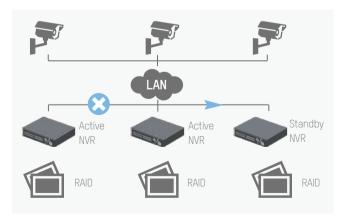


- Single-spot storage backup:

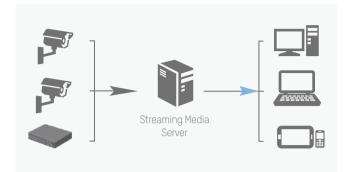
Multi-RAID supported by embedded NVR and Storage Server

- Multi-spot storage backup:

When any active NVR is out of service, the standby NVR can take over recording automatically $\,$







Transmission Optimization

Streaming Media Server



- Hikvision Streaming Media Servers enable multiple users to view live or playback the same camera using only one channel of bandwidth transmission
- 1 Streaming Media Server supports up to 200 x 2 Mbps video data streaming and up to 200 channels

Large Data Management Smart Backup

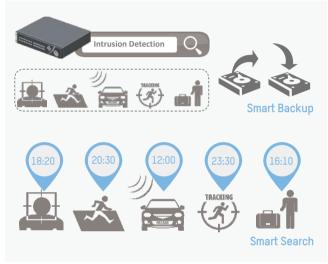


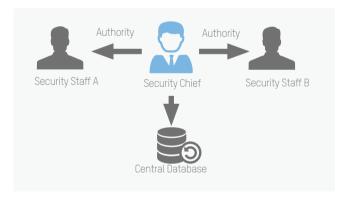


- Supports event footage backup
- Saves maximum storage space
- Fully compatible with Hikvision Smart IP Cameras

Smart Search

- 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 $16\mathrm{x}$)
- Unrelated video can be skipped during playback





Centralized Management Security Operator Authority

- Centralized management of security personnel and authorities

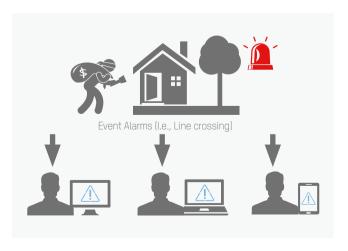


- Security personnel have assigned authority levels, such as live view, playback, area cameras, or PTZ control
- Higher permission-level users have priority control over the system, i.e., they can takeover PTZ control, force the logout of lower-level users, and more

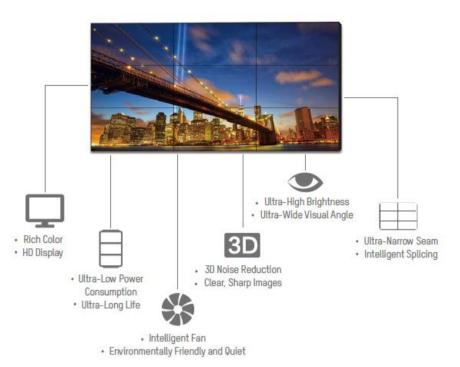
Centralized Management Alarm Verification and Handling



- Various types of events trigger real-time alarms and notifications to security operators, like motion detection, line crossing, intrusion detection, face detection, etc.
- Alarm flashing in E-Map notifies security operators
- Alarms link to predefined cameras in the form of popup images/video for visual verification
- One-check-all mechanism allows one user to handle alarm events while others get notifications



SECURITY CENTER VIDEO-WALL DISPLAY UNIT LCD/DLP/LED



LCD	DLP	LED
DS-2046NL-B,	DS-D1050EH,	DS-D4012FI-EL,
DS-2046NL-C,	DS-D1060EH,	DS-D4018FI
DS-2046NH-C,	DS-D1067EH,	
DS-2055NL-B,	DS-D1080EH,	
DS-2055NH-B	DS-D1070EF	

APPLICATION REFERENCE



Al Fitaihi Jewelry Store, Saudi Arabia

Hikvision's 75 ultra-discreet IP Dome Cameras were embedded into the ceilings in the store, protecting its prestige décor as they protect millions of dollars worth of stock.

"This first collaboration has been a great success. A large factor in this is the very high quality of the Hikvision products and it is fitting that some of the Kingdom's most valuable jewelry is being watched over and protected by some of the world's most advanced technology."

Mr. Mohan, the executive manager of Okaz International, Hikvision distributor



Entrance



DS-2CD4025FWD(-AP) LightFighter Series 2MP Indoor

LightFighter Series 2MP Indoo Box Network Camera



- LightFighter 140dB triple exposure WDR
- 1/2.8" progressive scan CMOS sensor
- Full HD1080p, up to 60fps
- Full smart feature-set
- · Auto back focus
- P-Iris optional



DS-2CD4125FWD-IZ LightFighter Series 2MP Indoor Dome Network Camera



- LightFighter 140dB triple exposure WDR
- 1/2.8" progressive scan CMOS sensor
- Full HD1080p, up to 60fps
- Full smart feature-set
- Motorized lens with Smart Focus
- Up to 128GB on-board storage
- Up to 30m IR range

Shopping Area



DS-2CD63C2F-I (S)(V) 12MP Fisheye Network Camera



- Up to 4000 × 3072@20fps resolution
- Up to 1600 × 1200 ePTZ control
- Heat mapping analytic
- · Support on-board hardware dewarping
- Support software de-warping
- IP66 & Vandal-proof (-V)
- Up to 15m IR



DS-2DE4A220IW-DE

3MP/2MP 20X Mini PTZ Dome
Network Camera

- 3MP/2MP real-time, 20X Optical Zoom
- Pan 0° to 360°; Tilt -5° to 90°
- Up to 50m IR range, prevent IR reflection
- New-generation bubble, prevent blurs at any angle
- IP66; MIC: Customizable



DS-2CD4026FWD-AP
DarkFighter series 2MP Box
Network Camera





DS-2CD4126FWD-IZ
DarkFighter Series 2MP Indoor
Dome Network Camera



- DarkFighter ultra-low light technology
- 1/1.8" progressive scan CMOS sensor
- Full HD1080p, up to 60fps
- 120dB WDR
- Full smart feature-set
- Auto back focus
- P-Iris optional

- DarkFighter ultra-low light technology
- 1/1.8" progressive scan CMOS sensor
- Full HD1080p, up to 60fps
- 120dB WDR
- Full smart feature-set
- Motorized lens with Smart Focus
- Up to 128GB on-board storage
- Up to 30m IR range



DS-2CD4C26FWD-(AP)
DarkFighter series 2MP Box
Network Camera

DARKFIGHTER

- H.265+/H.264+/H.265/H.264
- DarkFighter ultra-low light technology
- 1/1.8" progressive scan CMOS sensor
- Full HD1080p
- 120dB WDR
- Intrusion & line crossing & object removal & unattended baggage & face detection & Region Entrance/Left & Scene Change
- Up to 128GB on-board storage



DS-2CD4D26FWD-IZ(S)

DarkFighter Lite Series 2MP Dome Network Camera



NEW

- DarkFighter ultra-low light technology
- 1/1.8" progressive scan CMOS sensor
- Color:0.002Lux/F1.2, B/W:0.0002Lux/F1.2
- Full HD1080P
- 120dB WDR
- Up to 128GB on-board storage
- EXIR, prevent IR reflection
- IP66



DS-2CD2522/42FWD-I(W)(S) 2MP/4MP WDR Mini Dome Network Camera

- 2MP/4MP real-time resolution
- 120dB WDR
- 3-axis adjustment
- On-board storage
- Up to 10m IR range
- DC12V & PoE
- IK8 protection, IP67
- Hik-connect cloud mobile surveillance

Discreet Monitoring



DS-2CD2E20F Recessed-mount Dome Camera

- 1920 x 1080 high resolution
- Full HD1080p video
- Recessed mount for easy installation
- 4 mm/2.8 mm fixed lens
- · Supports 128 GB on-board storage
- Supports Rotate Mode for hallway location
- 12 VDC & PoE
- DWDR, 3D DNR
- Color cover optional (black/silver/golden)
- Built-in Wi-Fi (-W)



DS-2CD6426FWD-50

DarkFighter Series 2MP Mini Bullet Covert Network Camer



- Ultra-low illumination technology
- 1/1.8" progressive CMOS sensor sensor
- 2MP real-time resolution
- 120dB WDR
- Full Smart Feature-set
- Up to 128GB on-board storage
- Mini bullet part support IP66



DS-2CD6424FWD-10/20/30 2 MP Covert Network Camera

- 2 MP Full HD1080p video
- 120 dB WDR
- Pinhole lens (-10/20), fixed tube lens (-30)
- · Support on-board storage, up to 128 GB
- Audio/alarm I/O interfaces
- Supports PoE power supply



People Counting



iDS-2CD6810F/C Dual-Lens People Counting Camera

NEW

- 1/3" Progressive Scan CMOS
- Max. resolution 640 × 960
- 2 mm/2.8 mm lens, optional
- 3D digital noise reduction
- DC 12V/PoF
- Dual lens, dual CPU, support stereo views
- Specialized people counting function, support separate counting of people entering, exiting, and passing by
- · Flash memory storing people counting data

Security Center



DS-96128/256NI-I16/I24(/H) Embedded H.265+ 4K Super NVR

- 576/768Mbps Bit Rate input Max (up to 128/256 IP cameras Input)
- Up to 12MP resolution recording
- Support H.265+/H.265/H.264+/H.264 video formats
- · 20-ch(/H,68-ch) 1080P decoding capability
- HDMI output at up to 4K resolution
- Up to 16/24 SATA interfaces, up to 8 TB for each
- HDD,4 Gigabit optical interfaces
- Redundant power supply to ensure system stability
- HDD hot swapping with RAID 0/1/5/6/10
- One LCD screen optional, mini SAS optional



DS-9616/32/64NI-I8/I16 Embedded H.265+ 4K 2U/3U NVR

- 256/320 Mbps Bit Rate Input Max(up to 16/32/64-ch IP
- · cameras input)
- · Third-party network cameras supported
- Up to 12MP resolution recording
- · Support H.265+/H.265/H.264+/MPEG4 video formats
- · 2-ch HDMI and 2-ch VGA outputs interfaces provided,
- 1 HDMI output at up to 4K resolution
- 8/16 SATA, HDD hot swapping, 1 eSATA,2 USB2.0, 1
- USB3.0
- Support RAID0,1,5,6,10
- · Hot spare working mode



iDS-9632NXI-I8/S8/16S NEW Deepinmind NVR



- · Human body detection and analysis, up to 8-ch detection capacity
- Enhance decoding capability and bandwidth up to 8-ch@1080P decoding capacity Bandwidth: 320Mbps input/256Mbps output Up to 12MP IP camera access
- H.265+/H.265/H.264+/H.264 video standard compatible
- 2 HDMI/2 VGA, HDMI1 output at up to 4K/60HZ
- · Smart 2.0 function and APNR
- Support 8 HDDs (8TB/Disk) and Raid (Raid 0/1/5/6/10)
- N+1 hot spare



DS-A81016S Network Storage System



- · 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



DS-A82024D Network Storage System

- High-performance & easily-extensible hardware platform
- Highly reliable system design, double controller
- Support 256 -Ch(2M) record and play in IP-SAN mode,448 -Ch(2M) record and play in CVR mode
- Disk detection, repair and RAID optimization
- · Low power design
- Massive storage space, 4U chassis with 14 HDs and cascade extension support

PRODUCT SHOWCASE



DS-C10S-S11/22/41/E
TV Wall Controller

DS-6901/04/08/10/12/16UD Ultra High Definition Decoder

- Maximum 184-ch analog, or 92-ch TVI or 92-ch HDMI/DVI/VGA input
- Maximum 72-ch HDMI/DVI/VGA output
- Up to 72-piece screen joint
- Built-in Matrix
- · Supports jointing, division, and display
- Base map
- · Cross-window video roaming
- · Support hot plugging
- · Redundant power supply



- provide HDMI (adaptable to DVI-D) and BNC output interfaces.
- Up to 4K (3840 × 2160@30Hz) via HDMI output interfaces (only for even interface).
- H.265+/H.265, H.264+/H.264, MPEG4 and MJPEG video compression.
- G.722, G711A, G726, G711U, MPEG2-L2, and AAC audio compression



DS-D2046NL/H -C DS-D2055NL/H -B Ultra Slim Bezel LCD



DS-D5032FL DS-D5022FC 32"/22" LCD Monitor

- 46" or 55" screen dimension
- -NL: 500cd/m² brightness
- -NH: 800cd/m² brightness
- 3.5mm physical seam
- Defog, low-light compensation
- Edge processing, true native image
- Dynamic self-adaption noise reduction
- Cross color suppression
- Signal input: HDMI, DVI, VGA, BNC, YPbPr
- Signal output: DVI, VGA, BNC
- Remote control: IR in, Address ID
- · RS232 control

- LED backlit with 1920×1080 HD resolution
- View angle:
- 178°(H)/178°(V)(32")
- 170°(H)/160°(V) (22")
- Inputs: HDMI, VGA, DVI, CVBS(BNC×1), audio in
- Build-in speaker
- 3D comb filter, 3D de-interlace, 3D noise reduction
- Selectable signal source (32")
- Image freeze (32")
- High reliable components for 7×24 working



Blazer Pro 128/256/16H VMS All-in-One Server



iVMS 5200 Pro iVMS-5200 Professional Software

- Ready to use, preinstalled with Hikvision Professional VMS software and Windows 8.1;
- Up to 128/256 channels access and recording, recording band width up to 512/718 Mbps;
- 16HDD, HDD hot swap with RAIDO, RAID1, RAID5, RAID10 support;
- Active directory integration for user management;
- 100 client user support;
- 3 years of Hardware warranty and software technical support with
- Centralized equipment and user management
- Support ANPR and ANPR based parking management
- Support business intelligence & POS integration
- Support RSM to control 5 CMS for large system (New)
- Maximum connected devices per CMS: 1024
- 3rd party surveillance integration via ONVIF protocol and SDK
- Mobile transportation management module



OPTIMIZE BUSINESS EFFICIENCY AND INTELLIGENCE SMART RETAIL SOLUTION FOR SPECIALTY STORES



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