smart solution **2.0**

HIKVISION

SMART EVOLUTION
IN IP SURVEILLANCE

Why Choose Hikvision's Smart Solution 2.0?

As IP surveillance becomes more widespread, requirements increase for the corresponding products and applications. For example, the increased number of locations under surveillance means it's more time-consuming to monitor and prevent unwanted activity. Searching through massive amounts of stored data to find specific events becomes more tedious as well. Additionally, as more and more employers turn to video surveillance as a tool to improve business productivity, it becomes even more important to efficiently manage video footage. In order to meet these challenges, Hikvision introduces its new Smart Solution 2.0. With new add-on Smart features and a greater range of security products included, Smart Solution 2.0 boasts significant improvement in CCTV safety and business productivity.
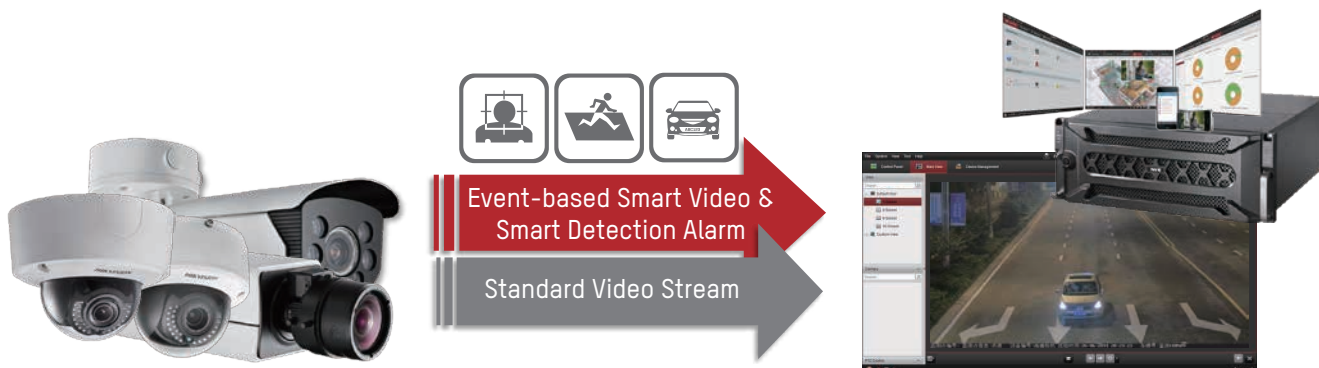
Key Features of Smart Solution 2.0

• Enriched Smart Features
• Industry-Leading IP Products
• Versatile Solutions
• Tailored to Vertical Applications

MILESTONE

smart solution 2.0

01 smart IP

2013-08

Hikvision introduces Smart IPC front-end product line. This professional and series combines high performance with a full set of Smart features.

02 smart solution

2014-03

Hikvision launches a fully compatible IP product bundle: Smart Solution, which includes Smart IPC, Smart PTZ, and Smart NVR. It ushers in a new era of high-end IP surveillance applications.

03 smart solution 2.0

2015-03

Hikvision introduces Smart Solution 2.0, with new Smart features added, more powerful functionality, and a greater range of security products included. This solution also includes the iVMS-5200 Professional software, which can be custom-tailored for various vertical applications.

HOW DOES IT WORK?

Event-based Smart Video & Smart Detection Alarm

Standard Video Stream

■ Smart Search

Quick retrieval of the camera's Smart content, such as ANPR or facial recognition.

■ Smart Playback

Playback important events in normal speed, otherwise footage will play in 16x quick view.

■ Smart Backup

Only store event-based video to maximize storage.

This amazing and intelligent solution has enriched Smart features, and consists of many innovative, industry-leading IP products. The Smart Solution 2.0 solution is also the ideal choice for various vertical applications.

SMART IP

■ Enriched Smart Features

Smart IP Solution 2.0 includes Smart features such as object counting, region entering, region leaving, object removing, object leaving, target cropping stream and ANPR (customization required).

■ Industry-Leading IP Products

New Hikvision IP cameras have been incorporated into this solution, including the DarkFighter series, LightFighter series, 6MP Ultra HD series, 4K series, and new 3MP WDR series, with industry-leading product performance.

SMART SOLUTION

■ Versatile Solutions

Smart IPC and Smart NVRs with Smart features are the perfect solution for small and mid-sized applications.

For mid-sized to large-sized applications, iVMS-5200 Professional software further improves the system's effectiveness with Smart features and analytics.

Banking   Bordering   Building   Energy   Traffic

Hotel   Industry   Port   Retail

SMART APPLICATION

■ Tailored to Vertical Applications

As an all-in-one Smart platform to manage cameras, NVRs, alarms, access control and decoders, the Smart Solution 2.0 is loaded, with Smart features and analytics such as people counting, heating mapping, LPR, and more. This makes it highly adaptable to verticals' special requirements and can be used in retail, banking, hotel and industrial applications, among others.

Enriched Smart Features

■ Target Cropping Stream

The third stream of video can be sent to a different source for recording or display in a pre-defined resolution, thus providing more details of a targeted area if needed.

■ Object Counting

You can designate an area of interest and let the camera count objects entering or leaving, which include not only humans but also vehicles. It also offers statistical reports.

■ Region Enter / Exit

This function detects people, vehicles or other objects that enter or exit from a pre-defined virtual region, triggering an alarm.

■ Object Left Behind / Object Removed

This function detects objects left or removed from a pre-defined region, the alarm is triggered.

■ ANPR

On-board ANPR analytics allow the ability to detect and recognize a vehicle's license plate and send ANPR info to a Smart NVR or iVMS-5200P for access management.
* Supports may vary based on local LPR algorithm development and customization process required.

Smart Feature-Set

Face Detection, Intrusion Detection, Smart Codec, Low Latency, Line Crossing Detection, Defocus Detection, Scene Change Detection, Audio Detection, ABF, P-Iris, Smart

Industry-leading IP Products

Shop Entrance
- Accurate people counting analytic
- Customer traffic statistic report

iVMS-5200P

SMART NVR

ANPR Access Management
- Entrance management
- Black/white list filtering

DARKFIGHTER

2001

2001

Low Light Environment

Super Long Distance
- Full HD resolution IR PTZ camera

Heat Map
- Heat map analysis
- Multi-location management via
- iVMS-5200 Professional

Panoramic View
- 360º Panoramic View
  One camera can cover a large area, such as a meeting room, and minimize total cost
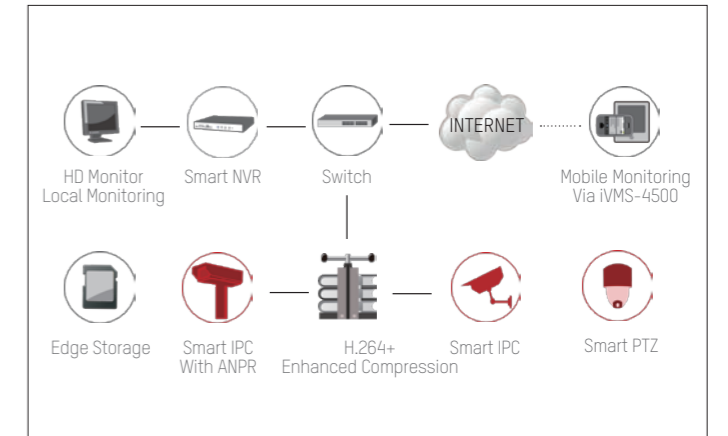
Large Area Monitoring
- 8MP or 12MP real-time video
- Enhanced H.264+ codec

LIGHTFIGHTER

High WDR
- Industry-leading 140dB WDR

Versatile Solutions

IPC   +   NVR

HD Monitor Local Monitoring   Smart NVR   Switch   INTERNET   Mobile Monitoring Via iVMS-4500

Edge Storage   Smart IPC With ANPR   H.264+ Enhanced Compression   Smart IPC   Smart PTZ

Small/Mid-Sized Applications

IPC   +   iVMS-5200 Professional

TV Wall   HD Monitor   Storage Server   NVR   Access Control & Intercom

iVMS-5200 Professional Centralized Management Platform   Switch   INTERNET   Mobile Monitoring Via iVMS-5200 Mobile Client

Edge Storage   Smart IPC With ANPR   Analytic Camera   H.264+ Enhanced Compression   Smart IPC   Smart PTZ
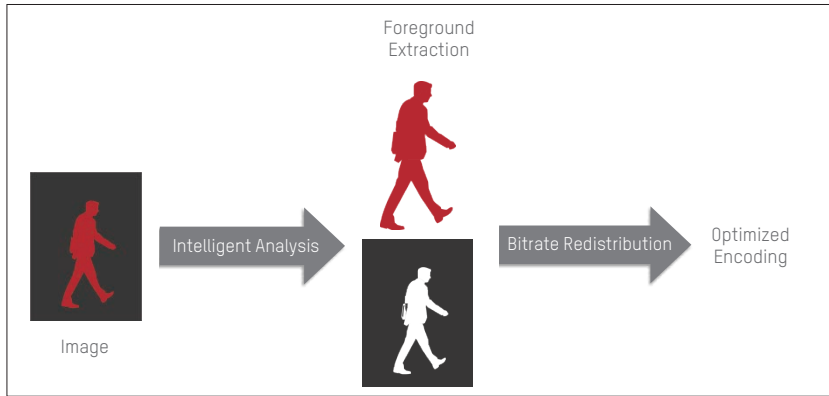
Mid/Large-Sized Applications

HIGHLIGHTED TECHNOLOGY

■ Smart Codec – H.264+ Optimized Compression

An efficient way to benefit manage super high resolution video footage

Up to 70% Storage Saving **H.264+**

Foreground Extraction

Intelligent Analysis → Bitrate Redistribution → Optimized Encoding

Image

● 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 Bitrate Control in Long-term Period

H.264 (25fps)

4.2 Mbps   73.4 kbps

H.264+ (25fps)

1.4 Mbps   31.1 kbps

● Hikvision H.264+ Smart Codec

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.
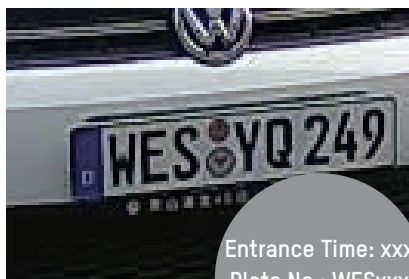
• more encoding improvement
• more transmission efficiency
• more storage saving

■ ANPR Module

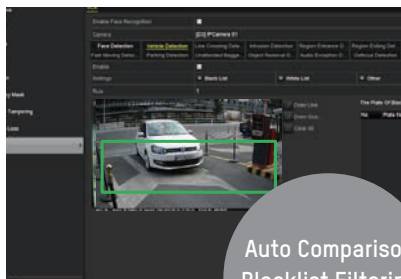The perfect solution for your entrance management.
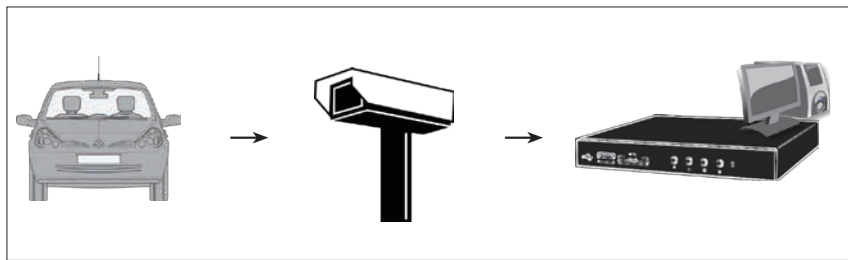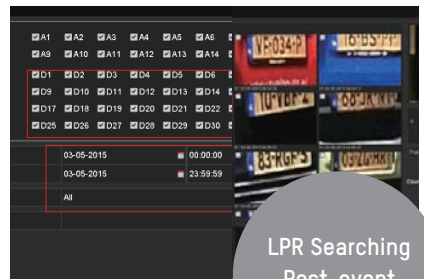

Vehicle Detection

License Plate Recognition

Entrance Time: xxx
Plate No.: WESxxx
Vehicle Type: xxx

Vehicle Management

Auto Comparison
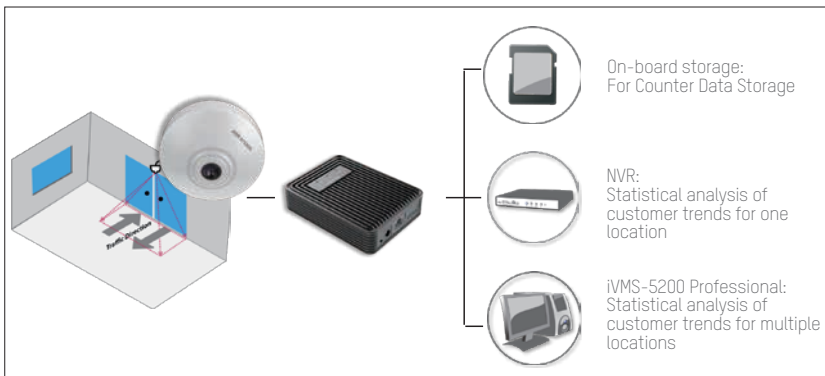Blacklist Filtering
Alarm Triggering

Smart Search
Smart Backup

LPR Searching
Post-event
Investigation

■ People Counting Module

Boosts productivity as well as security.

On-board storage:
For Counter Data Storage

NVR:
Statistical analysis of customer trends for one location

iVMS-5200 Professional:
Statistical analysis of customer trends for multiple locations

Tailored to Vertical Applications

Smart Retail

- POS management
- POS & alarm control
- Heat mapping analytic
- People counting analytic
- Demographic analytic
- Multi-store management
- Conversion rate analytic

Smart Industrial

- Intrusion detection
- Thermal detection
- Temperature detection & over-heating Prevention
- Explosion-proof camera
- Auto tracking

Smart Hotel

- Entrance management
- VIP list filtering
- Access control
- Auto tracking
- Panoramic monitoring

Smart Banking

- ATM surveillance
- Event alarm
- Covert monitoring
- Audio exception
- Panoramic monitoring

iVMS-5200 PROFESSIONAL

iVMS-5200 Professional

Mobile Transportation (Add-on)
- HD Video Monitoring to Deal With Abnormal Situations
- Integrated GIS Map to Manage the On-duty Vehicles
- Multiple Linkage Actions to Handle Exceptional Events
- Business Intelligence to Enhance the Revenue

Business Intelligence (Add-on)
- Transaction Data Analysis: Employee Transaction Report / Commodity Sales Volume / Top Selling
- People Counting Analysis: Customer Traffic Distribution / Customer Traffic Trending/ Customer Gender Analysis / Conversion Rate
- Retail Traffic Analysis: Heat Map / Globe Hot Area
- Statistic table export / email / print

Transact (Add-on)
- POS live view, Display transaction data alongside corresponding video;
- Transaction Event alarm and report;
- POS search and playback based on invoice number,
- Flexible POS integration support

License Plate Recognition (LPR, Add-on)
- LPR info capture and storage (vehicle surveillance snapshot, plate numbers, etc.)
- Auto display the recognized license plate info while live view
- Search based on time, cameras, plate No. etc.

Access Control Sub-system (Add-on)
- Control the doors: Open Door / Close Door / Remain Open / Remain Closed
- Display the door status via different icons
- View real-time access events and card holders
- Search and view the historical access events

APPLICATION REFERENCE

■ Highway in Sea Point, South Africa

Hikvision secures one of Cape Town's busiest and most affluent suburbs with an ANPR solution, resulting in a 65% decrease in crime.

■ Dun Laoghaire Harbour, Ireland

Hikvision Smart imaging and detection technologies withstand severe weather and deliver superior protection with an upgraded and expanded hybrid CCTV system.

■ GRW, South Africa

GRW, a road-tanker transport business, deploys Smart low light cameras at the factory's perimeter to effectively secure the surroundings day and night.

■ Thome Oil, Senegal

At Thome Oil's Dakar and M'bour locations, Hikvision 2MP Smart IP cameras are installed to succesfully read vehicle number plate at the gas station entrance, providing an efficient entrance management solution for the sites.

PRODUCT SHOWCASE

Pro Series Smart PTZs

DS-2DF8223I-AEL(W)
2MP Ultra-Low Light Network IR PTZ Camera

DARKFIGHTER

- 1/1.9" HD CMOS sensor
- 1920*1080P Full HD, 23X Optical Zoom
- Ultra-low illumination
- Smart Tracking
- Smart Detection
- 120db True WDR
- 200m IR distance
- Optional wiper(-W)
- Vandal-proof (IK10)

DS-2DF8236I-AEL(W)
2MP Ultra-Low Light Network IR PTZ Camera

DARKFIGHTER

- 1/1.9" HD CMOS sensor
- 1920*1080P Full HD, 36X Optical Zoom
- Ultra-low illumination
- Smart Tracking
- Smart Detection
- 120db True WDR
- 200m IR distance
- Optional wiper(-W)
- Vandal-proof (IK10)

DS-2DF8236IV-AEL(W)
2MP 140dB WDR Network IR PTZ Camera

LIGHTFIGHTER

- 1920x1080P Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detectio
- 200m IR distance
- Optional wiper(-W)
- Vandal-proof (IK10)

DS-2DF8336IV-AEL(W)
3MP 60Fps Network IR PTZ Camera

- 3MP(2048x1536) HD up to 60fps, 36X Optical Zoom
- Smart Tracking
- Smart Detection
- 120dB WDR
- 200m IR distance
- Optional wiper(-W)
- Vandal-proof (IK10)

DS-2DF6223-AEL
2MP Ultra-Low Light Network PTZ Camera

DARKFIGHTER

- 1/1.9" HD CMOS sensor
- 1920X1080P Full HD, 23X Optical Zoom
- Ultra-low illumination
- Smart Tracking
- Smart Detection
- 120db True WDR
- Vandal-proof (IK10)

DS-2DF6236-AEL
2MP Ultra-Low Light Network PTZ Camera

DARKFIGHTER

- 1/1.9" HD CMOS sensor
- 1920x1080P Full HD, 36X Optical Zoom
- Ultra-low illumination
- Smart Tracking
- Smart Detection
- 120dB True WDR
- Vandal-proof (IK10)

DS-2DF6236V-AEL

2MP 140dB WDR Network PTZ Camera

LIGHT**FIGHTER**

- 1920x1080 Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detectio
- 200m IR distance
- Optional wiper(-W)
- Vandal-proof (IK10)

DS-2DF6336V-AEL

3MP 60Fps Network PTZ Camera

DARKFIGHTER

- 3MP(2048x1536) HD up to 60fps, 36X Optical Zoom
- Smart Tracking
- Smart Detection
- 120dB WDR
- Hi-PoE / 24VAC power supply
- Vandal-proof (IK10)

Smart IP Network Cameras

DS-2CD4025FWD-A(P)

2MP Smart IP Box Camera

LIGHT**FIGHTER**

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- 140dB WDR
- Auto Back Focus
- (P) P-Iris optional
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage

DS-2CD4026FWD-A(P)

2MP Smart IP Box Camera

DARKFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- Ultra Low light
- 120dB WDR
- Auto Back Focus
- (P) P-Iris optional
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage
- Supports ANPR
- *customization process required

DS-2CD4035FWD-A(P)

3MP Smart IP Box Camera

- 2048x1536 resolution
- Real-time video
- 120dB WDR
- Auto Back Focus
- (P) P-Iris optional
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage

DS-2CD4065F-A(P)

6MP Smart IP Box Camera

- 3072x2048 resolution
- Up to 25fps video
- 2.8~12mm Motorized VF lens
- Auto Back Focus
- (P) P-Iris optional
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage

DS-2CD4085F-A (P)
8MP Smart IP Box Camera
4K

- 4096×2160 resolution
- Auto Back Focus
- DWDR
- (P) P-Iris optional
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage

DS-2CD40C5F-A
12MP Smart IP Box Camera
4K

- 4000×3000 resolution
- DWDR
- Auto Back Focus
- Full Smart Feature-set
- Stereo Audio Sampling, Triple Power Supply, Supports On-board Storage

DS-2CD4125FWD-IZ
2MP Smart IP Indoor Dome Camera

LIGHTFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- 140dB WDR
- 2.8~12mm Motorized VF lens
- Vandal-proof
- Up to 30m IR
- Full Smart feature-set
- Smart Auto Focus, Audio/Alarm IO

DS-2CD4126FWD-IZ
2MP Smart IP Indoor Dome Camera

DARKFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- Ultra Low light
- 120dB WDR
- 2.8~12mm Motorized VF lens
- Vandal-proof
- Up to 30m IR
- Full Smart feature-set
- Smart Auto Focus, Audio/Alarm IO

DS-2CD4135FWD-IZ
3MP Smart IP Indoor Dome Camera

- 2048x1536 resolution
- Real-time video
- 120dB WDR
- 2.8~12mm Motorized VF lens
- Vandal-proof
- Up to 30m IR
- Full Smart Feature-set
- Smart Auto Focus, Audio/Alarm IO

DS-2CD4165F-IZ
6MP Smart IP Indoor Dome Camera

- 3072x2048 resolution
- Up to 25fps video
- WDR
- 2.8~12mm Motorized VF lens
- Vandal-proof
- Up to 30m IR
- Full Smart Feature-set
- Smart Auto Focus, Audio/Alarm IO

DS-2CD4185F-IZ
8MP Smart IP Indoor Dome Camera
4K

- 4096x2160 resolution
- 2.8-12mm Motorized VF lens
- Smart Auto Focus
- DWDR
- Audio/Alarm IO
- Vandal-proof
- Up to 30m IR
- Full Smart Feature-set

DS-2CD4A25FWD-IZ (S)(H)
2MP Smart IP Bullet Camera
4K

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- 140dB WDR
- 2.8~12mm Motorized VF lens
- 8-32mm lens optional
- IP67
- Up to 100m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater optional

DS-2CD4A26FWD-IZ(S)(H)
2MP Smart IP Bullet Camera

DARKFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- Ultra Low light
- 120dB WDR
- 2.8-12mm Motorized VF lens
- Up to 50m IR
- Full Smart Feature-set
- Smart Auto Focus
- Supports ANPR *customization process required
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater optional

DS-2CD4A35FWD-IZ(S)(H)
3MP Smart IP Bullet Camera

- 2048x1536 resolution
- Real-time video
- 120dB WDR
- 2.8-12mm Motorized VF lens
- 8-32mm lens optional
- IP67
- Up to 100m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater optional

DS-2CD4A65F-IZ(S)(H)
6MP Smart IP Bullet Camera

- 3072x2048 resolution
- Up to 25fps video
- WDR
- 2.8-12mm Motorized VF lens
- IP67
- Up to 50m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater optional

DS-2CD4A85F-IZ (S)(H)
8MP Smart IP Bullet Camera
4K

- 4096x2160 resolution
- Up to 25fps video
- 2.8-12mm Motorized VF lens
- Smart Auto Focus
- IP67
- Up to 50m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater optional

DS-2CD4525FWD-IZ(H)
2MP Smart IP Outdoor Dome Camera

LIGHTFIGHTER

• 1920x1080 resolution
• Full HD1080p, up to 60fps
• 140dB WDR
• 2.8~12mm Motorized VF lens
• 8~32mm lens optional
• IP66 & Vandal-proof
• Up to 50m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optional

DS-2CD4526FWD-IZ(H)
2MP Smart IP Outdoor Dome Camera

DARKFIGHTER

• 1920x1080 resolution
• Full HD1080p, up to 60fps
• Ultra Low light
• 120dB WDR
• 2.8~12mm Motorized VF lens
• IP66 & Vandal-proof
• Up to 40m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optional

DS-2CD4526FWD-IZM(H)
2MP Smart IP HDMI Outdoor Dome Camera

DARKFIGHTER

• Built-in HDMI interface
• 1920x1080 resolution
• Full HD1080p, up to 60fps
• Ultra Low light
• 120dB WDR
• 2.8-12mm Motorized VF lens
• IP66 & Vandal-proof
• Up to 40m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optional

DS-2CD4535FWD-IZ(H)
3MP Smart IP Outdoor Dome Camera

• 2048x1536 resolution
• Real-time video
• 120dB WDR
• 2.8~12mm Motorized VF lens
• 8~32mm lens optional
• IP66 & Vandal-proof
• Up to 50m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optional

DS-2CD4565F-IZ(H)
6MP Smart IP Outdoor Dome Camera

• 3072x2048 resolution
• Up to 25fps video
• WDR
• 2.8~12mm Motorized VF lens
• IP66 & Vandal-proof
• Up to 40m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optiona

DS-2CD4585F-IZ (S)(H)
8MP Smart IP Outdoor Dome Camera
4K

• 4096x2160 resolution
• Up to 25fps video
• 2.8~12mm Motorized VF lens
• Smart Auto Focus
• IP66 & Vandal-proof
• Up to 40m IR
• Full Smart Feature-set
• Smart Auto Focus
*(-H) Built-in heater & fan optional

DS-2CD4635FWD-IZ (S)(H)
3MP Smart IP Outdoor Bullet Camera

- 2048x1536 resolution
- Full HD1080p, up to 60fps
- 120dB WDR
- 2.8-12mm Motorized VF lens
- 8~32mm Motorized VF lens optional
- Smart Auto Focus
- IP66 & Vandal-proof
- Up to 150m IR
- Full Smart Feature-set
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater & fan optiona

DS-2CD4665F-IZ (S)(H)
6MP Smart IP Outdoor Bullet Camera
4K

- 3072x2048 resolution
- WDR
- 2.8-12mm Motorized VF lens
- Smart Auto Focus
- IP66 & Vandal-proof
- Up to 70m IR
- Full Smart Feature-set
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater & fan optional

DS-2CD4685F-IZ (S)(H)
8MP Smart IP Outdoor Bullet Camera
4K

- 4096x2160 resolution
- 2.8-12mm Motorized VF lens
- Smart Auto Focus
- IP66 & Vandal-proof
- Up to 70m IR
- Full Smart Feature-set
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater & fan optional

DS-2CD6026FHWD (0733mm)
Smart IP Box Camera
DARKFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- Ultra low-light
- 07~33mm Super Large Aperture VF lens included
- ABF optional (-A)
- 120dB WDR
- Supports ANPR
- *customization process required

DS-2CD4625FWD-IZ(S)(H)
2MP Smart IP Outdoor Bullet Camera
LIGHTFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- 140dB WDR
- 2.8-12mm Motorized VF lens
- 8~32mm lens optional
- IP66 & Vandal-proof
- Up to 150m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater & fan optional

DS-2CD4626FWD-IZ(S)(H)
2MP Smart IP Outdoor Bullet Camera
DARKFIGHTER

- 1920x1080 resolution
- Full HD1080p, up to 60fps
- Ultra Low light
- 120dB WDR
- 2.8-12mm Motorized VF lens
- IP66 & Vandal-proof
- Up to 70m IR
- Full Smart Feature-set
- Smart Auto Focus
- *(-S) Audio/Alarm IO optional
- *(-H) Built-in heater & fan optional

DS-2CD6362F-I
6MP IR Fisheye Camera

- 360º Panoramic View
- Up to 3072x2048 resolution
- ePTZ control
- Supports Heat Mapping Analytic
- Supports People Counting (2015.07)
- On-board hardware de-warping
- Supports software de-warping (via iVMS5200P)
- Audio/Alarm IO (-S)
- Outdoor version: IP66 & Vandal-proof (-V)

DS-2CD63C2F-I (S)(V)
12MP IR Fisheye Camera
4K

- 360º Panoramic View
- Up to 4000x3072 resolution
- ePTZ control, up to 1600x1200 resolution
- Supports Heat Mapping Analytic
- On-board hardware de-warping
- Supports software de-warping (via iVMS5200P)
- Audio/Alarm IO (-S)
- Outdoor version: IP66 & Vandal-proof (-V)

DS-2CD6412FWD-10/-20/-30
1.3MP WDR Covert Camera

- 1280x960 resolution
- 120dB WDR
- Supports on-board storage
- Audio/Alarm IO
- Pinhole lens (-10/20)
- Fixed tube lens (-30)
- Up to 8m lens cable

DS-2CD6412FWD-11/-21/-31
1.3MP WDR Dual-Lens Covert Camera

- 1280x960 resolution
- 120dB WDR
- Supports on-board storage
- Audio/Alarm IO
- Pinhole lens (-11/21)
- Fixed tube lens (-31)
- Supports dual lens units
- Up to 8m lens cable

Network Storage

DS-A81016S
Network Storage System

- High performance with 64 bit RISC processor
- Up to 16 HDD, each disk up to 4TB capacity
- Suppport up to 180-ch 4CIF real-time recording
- iSCSI/NFS/CIFS/FTP/HTTP/AFP protocols
- RAID 0, 1, 3, 5, 10, 50 and HDD hotswap supportsed
- Dual Gigabit network interfaces
- Modularization and redundant power design for highest reliability

DS-A82024D
Stable & Reliable Storage Device

- High-performance & Easy-extensible Hardware Platform
- Highly Reliable System Design, double controller,
automatic service takeover when failure occurs
- Disk Detection, Repair and RAID Optimization
- Low Power Design
- Massive Storage Space, 4U chassis with 24 HDs and cascade
   extension support

NVRs

DS-96128/256NI-E16(-E24)(/H)
Embedded Super NVR

- 400/640Mbps Bit Rate Input Max(up to128/256-ch IP video)
- Third-party network cameras supportsed
- Up to 8 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Supports RAID0, 1, 5, 10 & Dual Power
- 16 SATA(DS-96128/256NI-E16)/24 SATA(DS-96128/256NI-E24),
  1eSATA, 1 mini SAS, 3 USB2.0
- /H models supportss up to 6-ch HDMI output interfaces

DS-9632/64NI-ST(-RT)(-XT)
Embedded 2U NVR

- 160Mbps Bit Rate Input Max(up to 32/64-ch IP video)
- Third-party network cameras supportsed
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual Gigabit network interfaces
- 8 SATA(DS-9632/64NI-ST/RT)/16 SATA(DS-9632/64NI-XT),
  1 eSATA, 3 USB2.0
- *-RT and *-XT series supports RAID0, 1, 5, 10

DS-7716/32NI-E4(-E4/16P)
Embedded 1.5U PoE NVR

- 100/200Mbps Bit Rate Input Max(up to 16/32-ch IP video)
- Third-party network cameras supportsed
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Gigabit network interfaces
- 4 SATA, 2 USB 2.0, 1 USB 3.0
- *-E4/16P series supports 16 independent PoE network interfaces

Video Walls

DS-D2055NH / DS-D2055NL
Video Wall Display Unit

- 55-inch, ultra-narrow bezel LCD screen, full-array
  LED backlight
- Max resolution: 1920x1080
- Brightness: 700cd/m2(NH), 450cd/m2(NL)
- Contrast ratio: 3500:1
- Splicing-line width: 5.3mm

DS-D5021FC
21"LCD Monitor

- 8bit/10bit 2-ch LVDS(1920×1080) HD display;
- 170° H wide viewing angle;
- True color OSD and user-friendly operation menu;
- Supports 16:9 or 4:3 aspect ratio selectable in OSD menu;
- HDMI, VGA, BNC interfaces
- Built-in speaker and audio amplifier

iVMS

iVMS-5200 Professional
Video Management Software

- Centralized equipment and user management
- Support access control & license plate recognition;
- Support business intelligence & POS integration;
- Maximum connected devices per system: 1024
- Control client: max 16, Web client: max 16, Mobile client: max 64;
- 3rd party surveillance integration via ONVIF protocol and SDK

Access Controllers

DS-K2601
Single Door Access Controller

- Reader Number: 2 Wiegand reader & 2 RS485 reader,
- Entry mode: Single-door & one direction, Single-door & bidirection,
- Input interface: 4 alarm input, 1 Gate magnetic switch, 1 button, 1 case input, 1 anti-dismantle,
- Output interface: 1 open door relay & alarm relay
- Supports 100,000 card holders and 300,000 transactions

DS-K2602
Double Door Access Controller

- Reader Number: 2 Wiegand reader & 2 RS485 reader,
- Entry mode: Single-door & one direction, Single-door & bidirection,
- Input interface: 4 alarm input, 1 Gate magnetic switch, 1 button, 1 case input, 1 anti-dismantle,
- Output interface: 1 open door relay & alarm relay
- Supports 100,000 card holders and 300,000 transactions

DS-K2604
Four door Access Controller

- Reader Number: 4 Wiegand reader & 8 RS485 reader,
- Entry mode: Single-door & one direction, Single-door & bidirection,
- Input interface: 4 alarm input, 4 Gate magnetic switch, 8 button, 4 case input, 1 anti-dismantle,
- Output interface: 4 open door relay & alarm relay
- Supports 100,000 card holders and 300,000 transactions

DS-K1101M
DS-K1101MK
Card Reader

- Supports Mifare 1 card,
- With keypad (DS-K1101MK)
- Communication interface: RS485 and wiegand output, Anti-dismantle
- Suitable for 120-type surface mounted back box

DS-K1102M
DS-K1102MK
Card Reader

- Supports Mifare 1 card,
- With keypad (DS-K1102MK)
- Communication interface: RS485 and wiegand output, Anti-dismantle
- Suitable for 86-type & 120-type surface mounted back box

DS-K1104M
DS-K1104MK
Vandal Proof Card Reader

- Supports Mifare 1 card,
- With keypad (DS-K1104MK)
- Communication interface: RS485 and wiegand output, Anti-dismantle
- Suitable for 86-type & 120-type surface mounted back box
- Vandal Proof

Brackets, Housing

Box Camera	DS-1203ZJ Pendant Mount	DS-1292ZJ Wall Mount	DS-1269ZJ Pendant Mount	DS-1275ZJ Vertical Pole Mount
	DS-1293ZJ Wall Mount	DS-1214ZJ Horizontal Pole Mount		
Indoor Dome	DS-1273ZJ-130 Wall Mount	DS-1273ZJ-130B Wall Mount	DS-1271ZJ-130 Pendant Mount	DS-1227ZJ In-ceiling Mount
	DS-1275ZJ Pole Mount	DS-1276ZJ Corner Mount	DS-1280ZJ-DM21 Junction Box	DS-1281ZJ-DM23 Inclined Ceiling Mount
	DS-1250ZJ Rain-Proof Cap	DS-1253ZJ-L Weather Cap	Smoked Lens Cover	
IR Fisheye	DS-1280ZJ-DM25 Junction Box	DS-1281ZJ-DM25 Inclined Ceiling Mount	DS-1273ZJ-DM25 Wall Mount	DS-1271ZJ-DM25 Pendant Mount
	DS-1283ZJ Wall mount			
Outdoor Dome	DS-1280ZJ-DM26 Junction Box	DS-1281ZJ-DM26 Inclined Ceiling Mount	DS-1273ZJ-DM26 Wall Mount	DS-1273ZJ-DM26-B Wall Mount with Junction Box
	DS-1271ZJ-DM26 Pendant Mount			
Covert Camera	DS-1290ZJ-BL Clamp Bracket	DS-1291ZJ-BL Desktop/Pendant Mount		

LENS

HF3417D-12MPIR 12MP, IR Correction, 1/1.8", F1.7, 3.4mm Wide angle Fixed lens	HV0733D-6MP DARKEYE 6MP, 1/1.8", F0.95 Super Large Aperture 7-33mm Vari-focal, DC-Iris	HV1140P-8MPIR 8MP, IR Correction, 1/1.8", F1.5 11-40mm Vari-focal, P-Iris
HV3816P-8MPIR 8MP, IR Correction, 1/1.8", F1.5 3.8-16mm Vari-focal, P-Iris	HV1140D-8MPIR 8MP, IR Correction, 1/1.8", F1.5 11-40mm Vari-focal, DC-Iris	HV3816D-8MPIR 8MP, IR Correction, 1/1.8", F1.5 3.8-16mm Vari-focal, DC-Iris

SMART EVOLUTION
IN IP SURVEILLANCE

smart solution 2.0

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