



MAKING CITIES SAFE AND  
KEEPING CITIZENS SECURE  
**SMART CITY SOLUTION**

 smart solution **2.0**

CITY



Cities around the world are getting smart. City leaders are drawing on information and communication technologies in various ways, with advancements that improve the lives of citizens, keeping them safe and enhancing their day-to-day experiences. In the pages following, you will see Hikvision's Smart City Surveillance Solution – a full range of products designed to assist civil authorities in the strategic implementations of smart technologies. Details of the components in our state-of-the-art solution, along with examples of existing applications, will prepare and equip you for every step in the process. Whether you are developing Smart City systems for government services, transportation and traffic management, energy plants, health care, water and waste systems, or any combinations of these, you will find Hikvision's Smart City Solution carries everything your smart city will need – and probably even more.



## SMART CITY SOLUTION

### 1. Effectively protect citizens and valuable property

Effective protection of citizens and of private and public property concerns city authorities around the world. Balancing daily life and freedoms with city-wide surveillance remains difficult, but one that is more important now than in the recent past. Authorities do not want to interfere with normal life or cause unnecessary discomfort among citizens; however, security professionals agree that global security needs are increasing in our ports, on our airlines, and especially in our cities.

### 2. Instantly deter vandals and unexpected intrusions

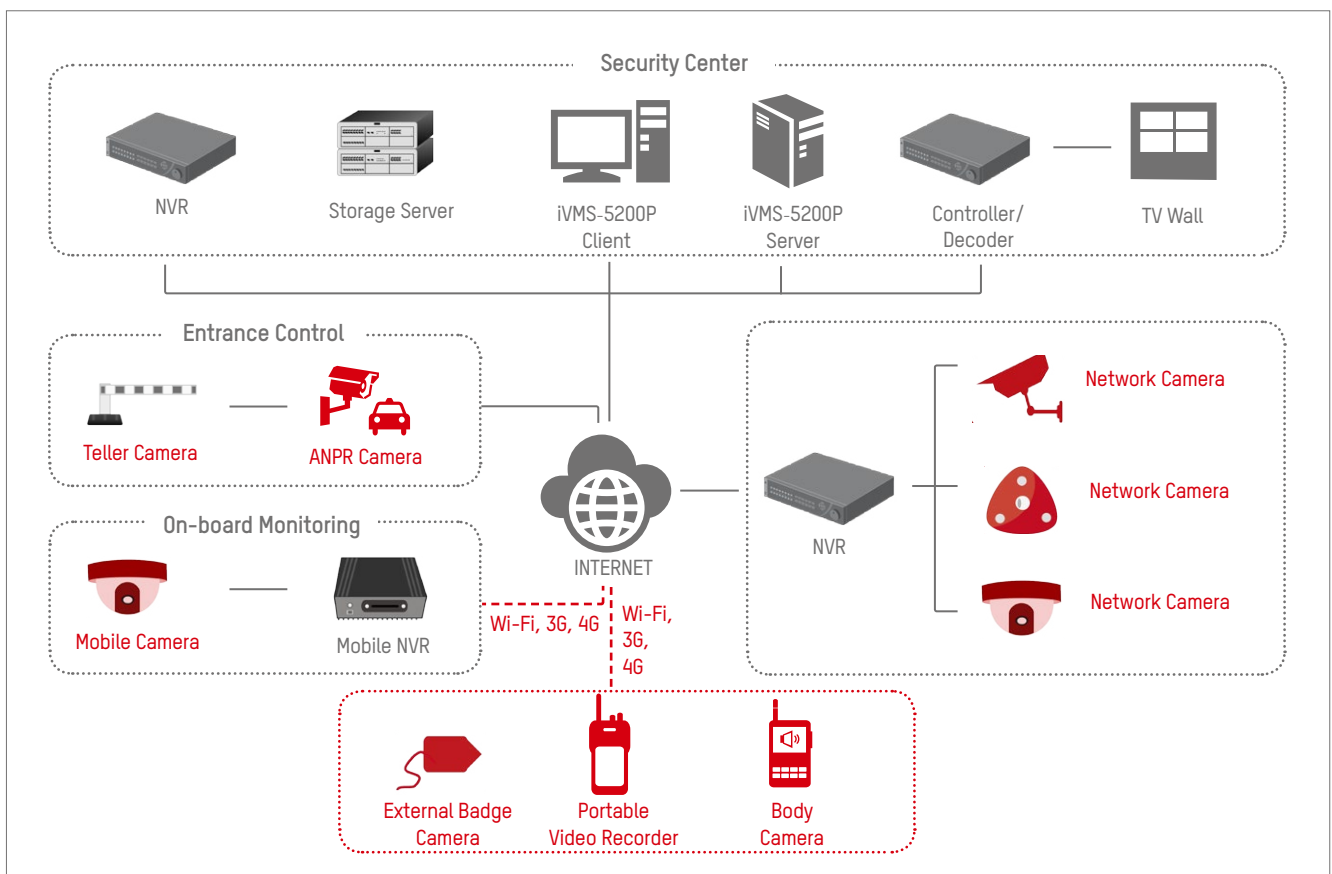
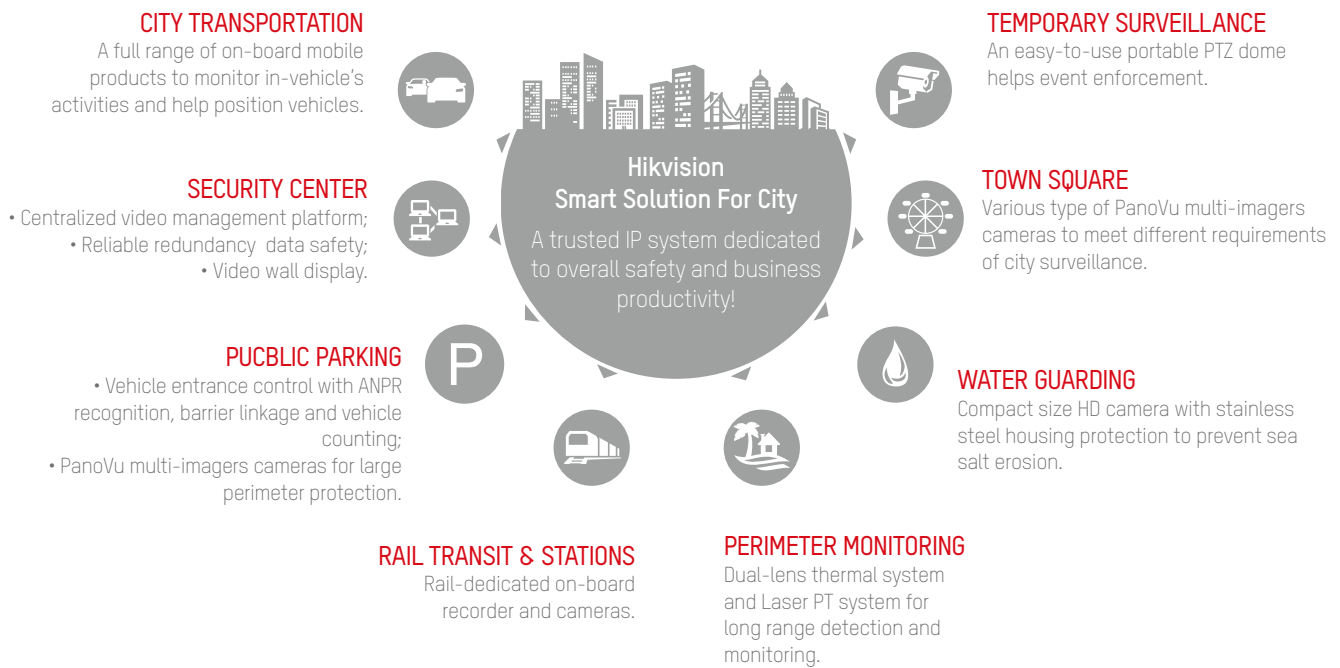
A well-crafted city surveillance system will deter vandals and prevent catastrophes, and the best systems go unnoticed by the public at large. Public transportation and transit hubs are often the most vulnerable to vandalism, violence, and other crimes. The core of a total CCTV system is the Security Center, where all the critical video from daily operations is compiled. It requires premiere reliability and manageability for data protection and alarm response. Hikvision provides a full range of products to help authorities monitor their city and prevent criminal activities. And when events do occur, this smart surveillance system significantly improves post-event investigation.

### 3. Increase criminal investigation efficiency and response time

Surveillance intelligence and analytics increase criminal investigation efficiency and improve rescue and response strategies. The security hardware must be made of the highest quality components, proven reliable in all weather conditions. Likewise, the software platform must be intelligent and cost effective. Hikvision products are chosen around the globe for their stability, durability, and helpful video management platform. Our Smart City system supplies a wide range of electronic and digital information and communication technologies (ICTs) for community-wide surveillance. When Hikvision products assist a city's local law enforcement, working, shopping, and recreational environments improve radically.

### 4. Help authorities manage traffic and vehicle control

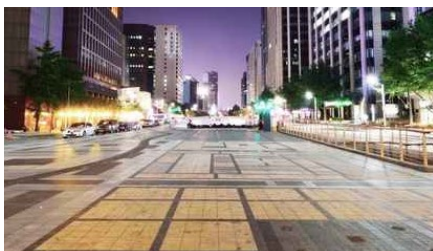
One of the key features of Hikvision's Smart City Solution is its ability to help authorities manage traffic and monitor vehicles. Hikvision's Traffic Camera and Speed Radar improve a vehicle speed-control system for a city's expressways and highways and even deliver forensic snapshots or video clips of speeding vehicles. Additionally, our VMS platform and LED indicators manage and display the availability of public parking spaces. Hikvision products bring ICTs and people together to enhance knowledge and innovation that each one offers.







## Public Square Monitoring



Town squares and city parks are often filled with people during both daytime and night. These locations have high crime-potential – especially during special community events.

**DarkFighter Cameras:** from 36x IR PTZ to outdoor bullet, HIKVISION's full range of Darkfighter cameras allows to see clearly what goes on in these locations.

**PanoVu Multi-imagers Cameras:** four or eight Darkfighter imagers provide 16MP or 8MP panoramic view, and a 23x 2MP PTZ camera for detailed capturing.

**4K Ultra HD Cameras:** Hikvision has a full range of 4K products to meet highest definition requirement.

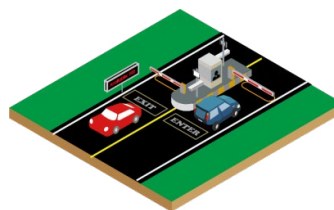
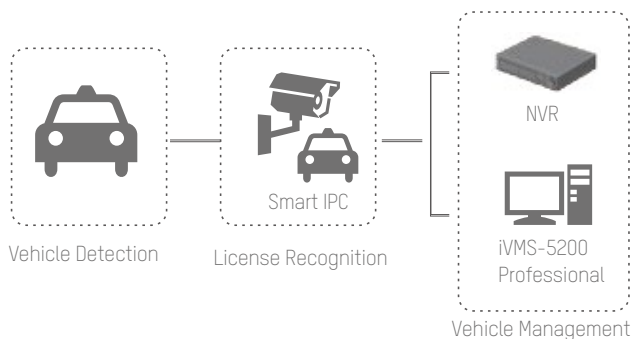


## Public Parking



Hikvision has a complete product solution for monitoring very large areas and detecting suspicious targets, even in dim light conditions. Additionally, our iVMS platform and LED indicators manage and display the availability of public parking spaces.

- **PanoVu Panoramic Camera:** Four innovative Darkfighter imagers can deliver a panoramic view with ultra-low-light vision, effectively covering entire parking areas.
- **ANPR Camera:** These cameras support HD video, are weather-proof, and provide ultra-low-light vision and barrier linkage.



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

## Hikvision ANPR System

- Auto License Plate Comparison
- B/W List Filtering
- Alarm Triggering
- Result Query
- Result Export
- Auto Network Recovery (ANR)
- ANPR Remote Configuration
- Lot Availability Display
- Manual LPR Correction
- Customizable Message Display
- Overtime Alarming



4 x rotated images in 1920x1080 resolution



Stitching to one panoramic image in (4096x1800) resolution

## Perimeter Protection



From sea side to deserted area, City's border is often vulnerable to illegal immigration, smuggling or other criminal activities. Hikvision's thermal camera and Laser PT positioner can detect faraway intrusion for carrying out pro-active operations.

- **Dual-lens Thermal Cameras:** one thermal imaging lens for long range detection, one Darkfighter visual imaging lens for detailed footage recording.
- **Laser PT Positioner:** Full HD Video quality, 36x optical zooming and up to 1km long detection range with laser light.



Thermal Imager



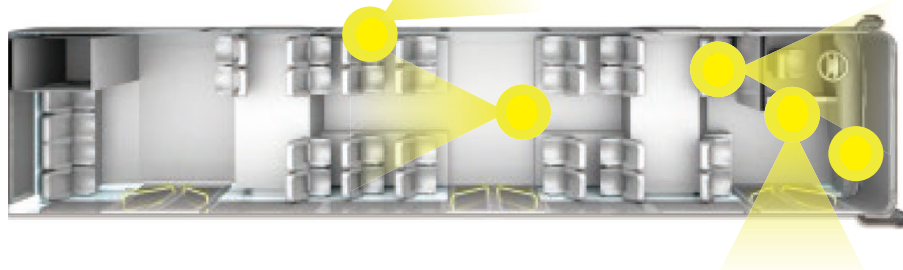
Visual Imager

## City Transportation



Public transportation and its surroundings are vulnerable to terrorism or other criminalities. Hikvision has a full range of products to help transit authorities to deter, prevent abnormal activities and for post-event investigation as well.

- **City Bus On-board System:** High definition IP or HD-TVI on-board system, dedicated GIS platform for wireless video live view and real-time tracking.
- **Rail Transit On-board System:** robust network recorder and dedicated fisheye camera provide HD solution for on-board monitoring. Additionally, dual-lens thermal cameras and PanoVu multi-imagers panoramic cameras can help authorities guard the perimeters and in-stations' security.



### NETWORK

- Full HD Video
- Inner/outer vehicle
- 4/8-ch recorder

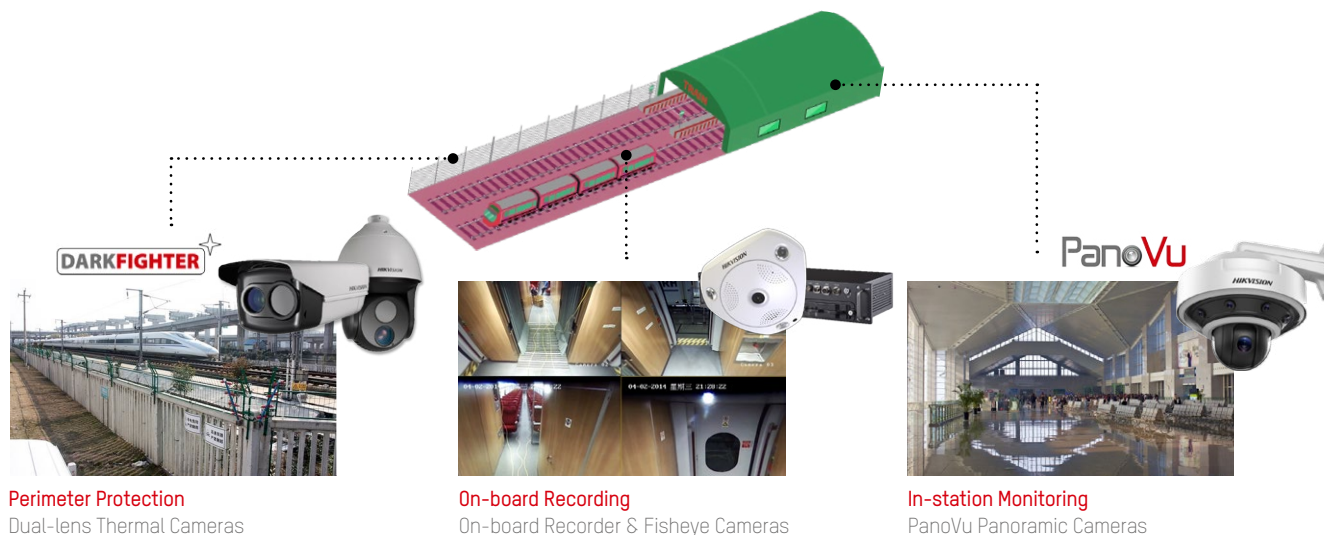




## Rail Transit & Station



Hikvision's Smart Rail Transit Solution equips you with everything necessary to ensure the highest level of surveillance technology. This solution includes a powerful, dedicated, on-board recorder with expansive storage capacity and complete data protection. Compact on-board cameras with high-megapixel resolution, IR visibility, and Smart IP cameras protect station perimeters. This brochure will guide you through Hikvision's proven technologies specifically designed to keep your railways safe.



## Coast Guard Vessels



Hikvision stainless steel based corrosion-proof cameras and mobile network encoders combine a high resolution, IP-based system for coast guard ship protection.

**Coast guard ship:** stainless steal mini dome + mobile IP recorder





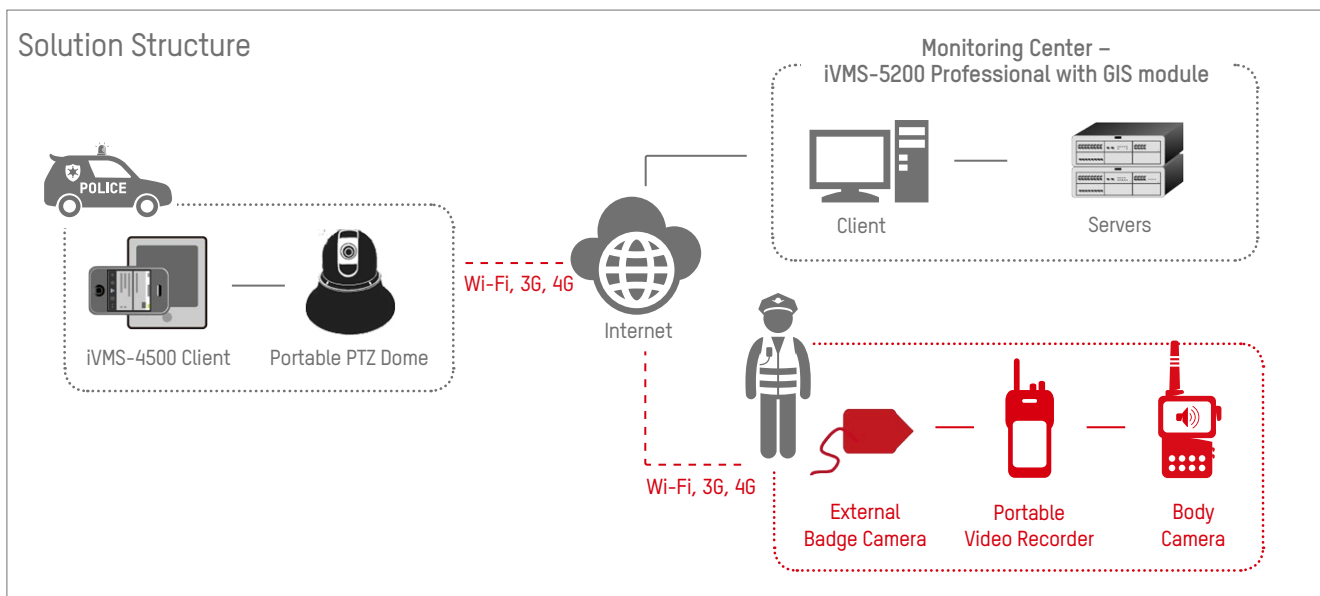
## Temporary Surveillance



The heavy crowding activity such as strike or parade, or public construction require a temporary CCTV system to prevent violence or deter any valued objects loss in location. Hikvision's remote surveillance system can help police or other authorities to meet these kind of requirements.

- **Police Remote Surveillance System:** on-car HD PTZ with dedicated joystick and on-board storage recorder.
- **Temporary self-powered PTZ:** on-car HD PTZ with built-in power supply

## Solution Structure



## Mobile Enforcement Solutions - Typical application



Incident Occurs



Forensic Capture



Post-Event Investigation

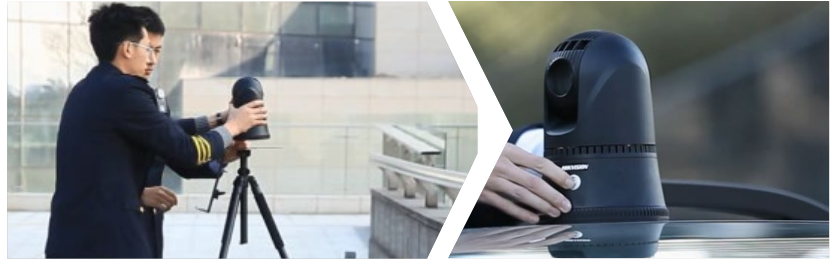


Instant Communication





**DS-MH6171 Portable PTZ Dome**  
Actual application snapshot in Dubai, UAE



Magnetic or  
Tripod Mount

Built-in Battery  
with Extended Life

Easy Wi-Fi Connection for  
Operation



Easy Wi-Fi Connection

## Security Center



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:** Hikvision has the richest embedded network recorder product line – from 4 channels to 256 channels – for every level of need
- **Video Management Platform:** iVMS-5200 Professional 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, Hikvision has 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



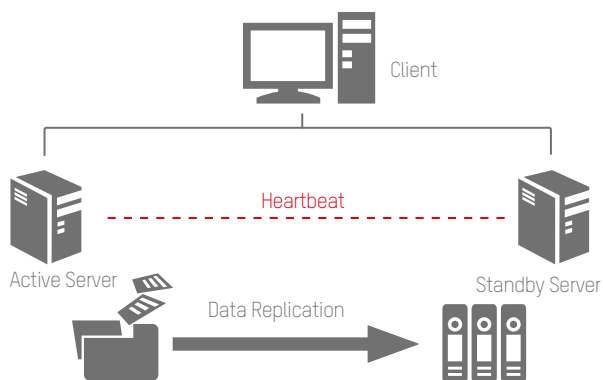
Decoder



Video Wall Controller



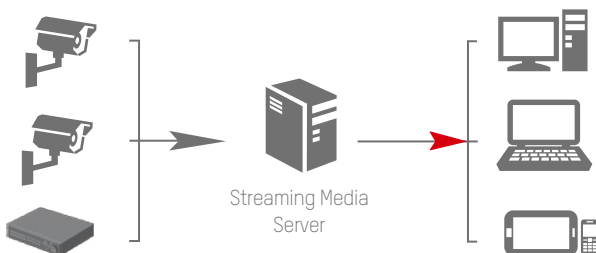
TV Wall



#### 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

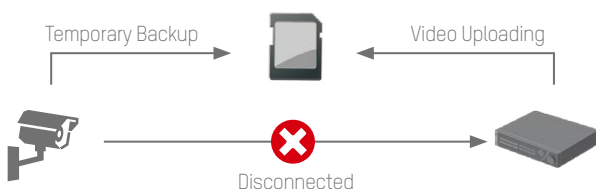


#### Transmission Optimization

##### Streaming Media Server

- Hikvision 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.

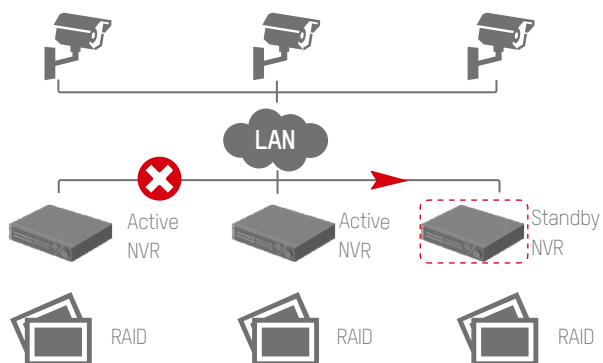
Analytic  
Reporting



#### 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

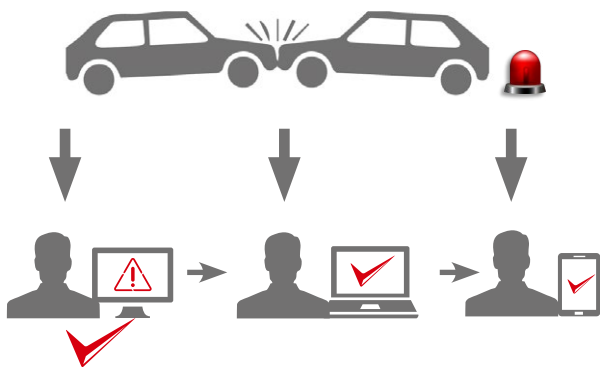


#### Data Safety

##### RAID & N+1 Failover

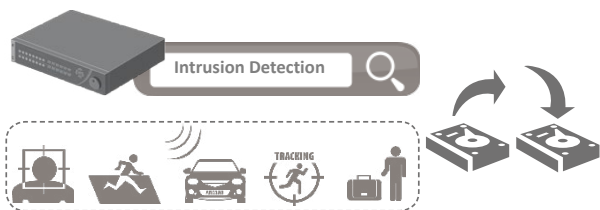
- **Single-spot storage backup:**  
Multi-RAID supported by embedded NVR and Storage Server
- **Multi-spot storage backup:**  
When any active NVR is out of service, the standby NVR can take over recording automatically





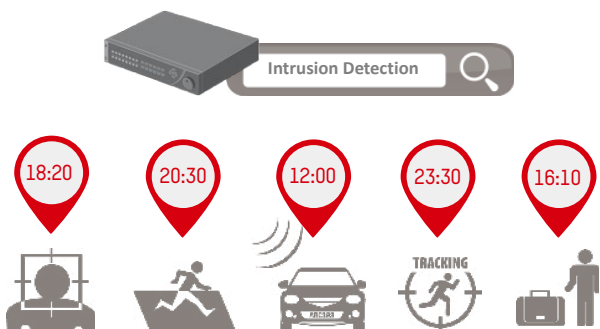
#### Alarm Management **Multi-users Notification**

- Real-time alarm notifications sent to iVMS5200P'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 Backup**

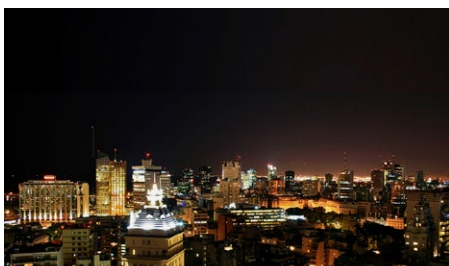
- Supports event footage backup
- Saves maximum storage space



#### Large Data Management **Smart Search**

- Fully compatible with Hikvision 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

## APPLICATION REFERENCE



### ■ Buenos Aires, Argentina

Hikvision provided a high definition surveillance solution for the city of Buenos Aires to provide the citizens a greater level of security. A combination of long-range wireless links and fiber-optic cable was used to connect Hikvision cameras to the head office for centralised management.

**"The cameras provided tremendous resolution and detail, allowing a central monitoring center the ability to clearly see what was happening in real time".**

Christian Uriel Solano, President of Security One Argentina, Hikvision distributor

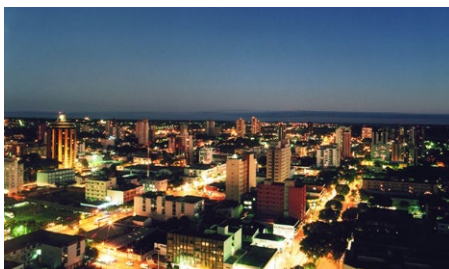


## ■ City of Salford, UK

Hikvision Darkfighter cameras were installed to offer a true 24 hour monitoring service, with clear colored images in the evening. It also helps the operators to detect flytipper, illegal dumping rubbish in the city.

**"The CCTV cameras play a vital role in our city. Our staff report incidents to police, enabling them to respond quickly, gather evidence for prosecuting flytippers and have saved dozens of vulnerable missing people by alerting the authorities."**

David Lancaster, Salford Deputy City Mayor Councilor



## ■ Foz do Iguaçu, Brazil

Hikvision high performance DS-2DF1-517-B speed domes were placed in strategic locations throughout the city and border regions to protect Foz do Iguaçu's roughly 300,000 residents, as well as its vital tourism industry.

**"Hikvision is a leader in both technical and quality aspects. But, it is also a leader in the little things that make a company successful, such as open-sourced SDK. I am really excited about Hikvision's expansion into future Brazilian public surveillance projects such as Foz do Iguaçu."**

Alvaro De Souza, CCTV Manager at VMI, Hikvision distributor



## ■ Philadelphia Recreation Center, USA

Hikvision's high-performance cameras, NVRs, and VMS technology were selected as a cost-effective solution at over 140 recreation centers to protect the city, to ensure a 'fun, safe, Philly summer'.

**"With introduction of Hikvision video surveillance equipment, not only are we covering our sites, we can tell what's going on in the streets and coordinate with the police department if need be."**

Susan Slawson, Deputy Commissioner of Parks and Recreation



## ■ Safe Cities Memphis, USA

Memphis police department has established a network of about 600 of Hikvision's analog and IP bullet and dome PTZ cameras throughout the city, with cameras attached to utility poles, cameras attached to buildings, and mobile trailers, to keep the city safe.

**"The DarkFighter is a great camera and the quality is unbelievable. The analytics are impressive as well."**

Sergeant Joseph Patty, video surveillance manager for MPD



## ■ Seoul safe city project, South Korea

More than 750 units of Hikvision's DS-2DF7286-A 2MP Network IR PTZ Dome Cameras are installed in Seoul and adjacent suburbs in South Korea, to provide a safer environment for both vehicles and commuters.

## PRODUCT SHOWCASE

### Public Square Monitoring



**DS-2DF8236I-AEL(W)**  
Outdoor PTZ Camera

**DARKFIGHTER**

- 1920x1080 Full HD high resolution
- Darkfighter Ultra Low Light
- 36x Optical Zoom
- Smart Auto Tracking
- Smart Detection
- Smart Defog
- Up to 200m IR range
- IP66 Weather-resistant housing
- IK10 Vandal-resistant protection
- AC24V & High PoE
- -W: with Wiper



**DS-2CD4626FWD-IZ (H)**  
Outdoor IR Bullet Camera

**DARKFIGHTER**

- 1920x1080 Full HD high resolution
- Darkfighter Ultra Low Light
- 2.8 ~ 12mm Vari-focal lens
- Smart Auto Focus
- Smart Detection & Alarm
- Smart Defog
- Up to 70m IR range
- IP66 Weather-resistant housing
- IK10 Vandal-resistant protection
- Built-in heater optional (-H)
- Support on-board storage
- Support H.264+ Smart Codec, up to 60% bandwidth&storage saving



**DS-2DP1636Z-D**  
PanoVu series 16MP  
360°Panoramic+PTZ Camera

**PanoVu**

#### Panoramic Camera

- 8 x 1/1.9" Progressive Scan CMOS, up to 2 × 4096 × 1800 resolution @30fps
- Horizontal angle of view: 360°, Vertical angle of view: 78°
- Min. Illumination: 0.002Lux@(F1.8,AGC ON)(Color), 0.0002Lux@(F1.8,AGC ON)(B/W)
- IP66

#### Tracking Camera

- 1/1.9" Progressive Scan CMOS, up to 1920 × 1080 resolution @30fps
- Min. Illumination: 0.005Lux@(F1.5,AGC ON)(Color), 0.0005Lux@(F1.5,AGC ON)(B/W)
- 36X optical zoom, 16X digital zoom
- 360° endless pan range and -15°~ 90° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°~ 300°/s Manual Pan Speed and 0.1°~ 240°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- Power-off memory: restore PTZ & Lens status after reboot
- IP66



**DS-2DP0818Z-D**  
PanoVu series 16MP  
360°Panoramic+PTZ Camera

**PanoVu**

#### Panoramic Camera

- 4 x 1/1.9" Progressive Scan CMOS, up to 4096 × 1800 resolution @30fps
- Horizontal angle of view: 180°, Vertical angle of view: 78°
- Min. Illumination: 0.002Lux@(F1.8,AGC ON)(Color), 0.0002Lux@(F1.8,AGC ON)(B/W)
- IP66

#### Tracking Camera

- 1/1.9" Progressive Scan CMOS, up to 1920 × 1080 resolution @30fps
- Min. Illumination: 0.005Lux@(F1.5,AGC ON)(Color), 0.0005Lux@(F1.5,AGC ON)(B/W)
- 36X optical zoom, 16X digital zoom
- 360° endless pan range and -15°~ 90° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°~ 300°/s Manual Pan Speed and 0.1°~ 240°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- Power-off memory: restore PTZ & Lens status after reboot
- IP66



## PRODUCT SHOWCASE



**DS-2CD4085F/E-(IR5)(IRA)(H)**  
Outdoor Box Camera  
**4K**

- 4096x2160 4K Ultra HD resolution
- -IR5: 3.8 ~ 16mm Vari-focal lens
- -IRA: 11~40mm Vari-focal lens
- Audio/Alarm IO
- Support on-board storage (up to 128GB)
- Full Smart Feature-set, including Smart detection, alarming and diagnosis
- -IR5: up to 50m IR range
- -IRA: up to 120m IR range
- IP67 weather-resistant protection
- Built-in heater optional (-H)



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

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

## Perimeter Protection



**DS-2TD4035D**  
Thermal+Image Dual Lens  
PTZ Camera

**DARKFIGHTER**

### Thermal Imager

- VOX Uncooled focal plane detector
- Up to 384 x 288 resolution
- 25mm lens, FoV: 21.7° or 50mm lens, FoV: 11°
- Smart Tracking: Panorama tracking, Event tracking, Multi-scene Patrolling
- Smart Detection: Intrusion detection, Line Crossing detection, Region Entering/Exit detection, Audio Exception detection, Hot Spot detection.

### Visual Imager

- 1/3" progressive scan CMOS
- Up to 1920 x 1080 resolution
- 150m IR range
- Pan: 360°endless; tilt: -15° ~ 90°
- Support ROI

### General

- Support on-board storage, Micro SD/SDHC/SDXC (card no included)
- Audio I/O: 1/1; Alarm I/O: 7/2
- Protection: IP66 protection
- Built-in heater
- AC24V, max 50W
- -4°C ~ 65°C working temperature
- DS-2TD4035D-25/50
- Thermal+Image Dual Lens PTZ Camera



**DS-2TD2235D**  
Thermal+Image Dual Lens  
Bullet Camera

**DARKFIGHTER**

### Thermal Imager

- VOX Uncooled focal plane detector
- Up to 384 x 288 resolution
- 25mm lens, FoV: 21.7° or 50mm lens, FoV: 11°
- Smart Detection: Intrusion detection, Line Crossing detection, Region Entering/Exit detection, Audio Exception detection, Hot Spot detection.

### Visual Imager

- 1/1.8" progressive scan CMOS
- Darkfighter Ultra low light
- Up to 1920 x 1080 resolution
- 120m IR range
- 23mm/40mm fixed lens
- Support ROI

### General

- Support on-board storage, Micro SD/SDHC/SDXC (card no included)
- Audio I/O: 1/1; Alarm I/O: 1/1
- Protection: IP66
- Built-in heater
- AC24V, max 40W
- -40°C ~ 65°C working temperature

## PRODUCT SHOWCASE

### Public Parking



**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 I/O interfaces
- IP66 weather-resistant protection
- DC12V & PoE power supply
- Built-in heater & fan optional (-H)

### City Transportation



**DS-2CD6520DT-I(O)**  
Inner-vehicle Network Camera

- 1920x1080 high resolution
- Full HD1080p video
- Up to 10m IR LEDs
- 2.8mm/4mm fixed lens
- Built-in MIC
- Support DWDR and 3D DNR
- -I: M12 connection interface
- -IO: RJ45 connection interface
- Optimized vibration-resistant design
- EN50155&EN50121 certification conformant
- IP54 & IK08 protection



**DS-2CD6520D-I(O)**  
Inner-vehicle Camera

- 1920x1080 high resolution
- Full HD1080p video
- Up to 10m IR LEDs
- 2.8mm/4mm fixed lens
- Built-in MIC
- Support DWDR and 3D DNR
- -I: M12 connection interface
- -IO: RJ45 connection interface
- Optimized vibration-resistant design
- EN50155&EN50121 certification conformant
- IP66 & IK08 protection



**DS-2CD6520ET-IO**  
Outer-vehicle Camera

- 1920x1080 high resolution
- Full HD1080p video
- Up to 30m IR LEDs
- 6mm fixed lens
- Support DWDR and 3D DNR
- 3-axis adjustment
- Optimized vibration-resistant design
- EN50155&EN50121 certification conformant
- IP68 & IK08 protection



**DS-2CD6510 -I(O)**  
Outer-vehicle Camera

- 1280x960 high resolution
- HD720p video
- Up to 30m IR LEDs
- 4/6mm fixed lens
- Support DWDR and 3D DNR
- 3-axis adjustment
- -I: M12 connection interface
- -IO: RJ45 connection interface
- Optimized vibration-resistant design
- EN50155&EN50121 certification conformant
- IP68 & IK08 protection



**DS-M7508HNI**  
Mobile NVR

- 1920x1080 high resolution
- Pluggable 3G (WCDMA) and 4G module
- 8 IP cameras (1080P)
- 3-ch CVBS video outputs and 2-ch audio outputs
- 1-ch VGA video output at up to 1920x1080 resolution
- Two pluggable 2.5-inch HDDs / SSDs
- Hard disk box with USB interface supporting intelligent temperature control and data export
- M12 connectors ensuring signal stability
- Wide-range power input (+8VDC ~+36 VDC)
- Power-off protection avoiding key data from loss
- Aluminum die-cast chassis with no fan design well adaptable to working environment
- Die-cast aluminum classis(Anti-Vibration)

## PRODUCT SHOWCASE



**DS-M5504HNI**  
4-ch Mobile NVR

- 1920x1080 high resolution
- Pluggable 3G (WCDMA) & GPS module
- 2-ch CVBS video outputs
- 1-ch VGA video output at up to 1920x1080 resolution
- Two pluggable 2.5-inch HDDs / SSDs
- Hard disk box with USB interface supporting intelligent temperature control and data export
- M12 connectors ensuring signal stability
- Wide-range power input (+8VDC ~+36 VDC)
- Power-off protection avoiding key data from loss
- Aluminum die-cast chassis with no fan design well adaptable to working environment
- Die-cast aluminum classis(Anti-Vibration)
- 4x IP cameras



**DS-2XM6362F-I (S)**  
On-board Fisheye Network Camera

- Up to 3072 x 2048 high resolution
- 360° panoramic view
- Hardware & software de-warping
- Up to 4 e-PTZ with HD resolution
- 3 IR illuminators, up to 15m IR range
- Built-in MIC & speaker
- Audio/alarm IO optional (-S)

## Temporary Surveillance



**DS-6102HLI-T**  
Portable Video Recorder

- 1.2 GHz processor, 1 GB RAM, 32 GB ROM
- Up to 32 GB external TF card slot
- Up to Full HD 1080p video recording
- Android 4.1.2 Open Platform
- Up to 13 MP (4208 x 3120) image capture
- 3.5-inch LCD touch screen, 800 x 480
- Supports Mic, Bluetooth headset
- Supports HDMI for video output
- Supports 4G (FDD-LTE), 3G, Wi-Fi connection
- Supports fingerprint identification
- Built-in GPS, G-sensor, temperature sensor
- 2000mAh Lithium battery, 4.5-hour operating time
- Up to 60 hours of standby time
- IP66 weather-proof, 5-foot (1.5m) drop-proof protection

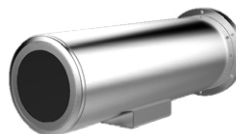
## Rail Transit & Station



**DS-MP3516-RS/GW**  
On-board Network Recorder

- 16 channels video/audio input
- Support up to 6 x 2.5-inch HDDs/SSDs
- 1-ch CVBS output, 1-ch VGA output
- Support Wi-Fi connection
- Support 3G connection \*only for GW model
- 2 x Ethernet ports with M12 plug
- Built-in G-sensor
- Wide power range protection
- Super capacitor for power-off protection
- Patented anti-vibration design

## Waterside Monitoring



**DS-2CD6626BS-(R)**  
**DS-2CD6626B/E-HIRA/IR5**  
Corrosion-resistant Network Camera

- 2MP Full HD resolution
- Darkfighter Ultra-low light
- 16mm fixed lens for 2CD6626BS
- -IR5: 3.8-16mm Vari-focal lens
- -HIRA: 11-40mm Vari-focal lens
- 120dB WDR
- Built-in heater optional
- 316L stainless steel housing
- C5-M & NEMA 4X conformant

## 2MP External Badge Camera



## Hikvision Black Label TF Card





## PRODUCT SHOWCASE



**DS-MH2111**  
Body Camera

- Up to Full HD1080p video recording
- Up to 16 MP image capture
- 2-inch LCD screen
- Built-in IR illuminators
- Supports HDMI for video output
- Supports 4G (FDD-LTE), 3G, Wi-Fi connection
- Built-in GPS, G-sensor, temperature sensor
- 4000mAh Lithium battery, 8-hour operating life
- Up to 60 hours of standby time
- IP67 weather-proof protection



**DS-MH6171**  
Portable PTZ Dome

- 2 MP Full HD1080p high resolution
- 30X optical zoom, 12X digital zoom
- H.264+ optimized codec to reduce storage
- Dual SD card slots, up to 128 GB for each card
- Supports Wi-Fi, 3G, 4G wireless connection
- Interchangeable Lithium battery, up to 6-hour operating time
- Alarm I/O, RS232, RS485 interfaces
- Supports Bluetooth connection
- IP66 weather-proof protection
- Up to 195 feet (60m) IR range
- Powerful magnetic base for vehicle-roof mounting
- iVMS-4500 client for remote operation

## 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



**DS-A82024D**  
Network Storage System

- High performance & easy extensible hardware platform
- Double controller system design
- Automatic service takeover
- Disk detection, repairing and RAID optimization
- Low power consumption
- 4U chassis structure, support up to 24 HDDs and cascade extension

## PRODUCT SHOWCASE



**DS-6401/04/08/12/16HDI-T**  
High Definition Decoder

- Up to 12MP/14fps resolution
- 1/4/6/8/9/16 division
- 1-ch DVI and 1-ch VGA signal input[Except DS-6401HDI-T]
- DS-6401 supports HDMI/VGA/BNC interfaces
- Other models support DVI/BNC interfaces (HDMI/VGA requires converter)
- PC signal to display on video wall
- Screen joint and display
- Cross-window video roaming
- Video fluency enhancement



**DS-C10S-11/22/41/E**  
TV Wall Controller

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



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

- 46" or 55" screen dimension
- -NL: 500cd/ $\text{m}^2$  brightness
- -NH: 800cd/ $\text{m}^2$  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



**DS-1100KI**  
Network Keyboard

- 7" TFT touch screen with 800×480 resolution
- Live view and video playback
- Video wall control
- 4-axis joystick
- Macro command operation
- Up to 255 analog domes by RS-485 connection
- Compatible with Hikvision IP cameras, DVR/NVR, decoder, matrix



**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



**DS-D5032FL 32-inch**  
**DS-D5022FL 22-inch**  
LCD Monitor

- 8bit/10bit 2-ch LVDS(1920\*1080) Full HD1080P resolution
- Adopt 3D digital comb filter
- True color OSD and user-friendly operation menu
- Adopt mstar ACE-5 auto color and image enhancement engine, to improve image contrast, detail
- 1 channel HDMI 1.3 input interface support HDCP 1.2
- Support video output
- Support audio I/O



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