MAXIMIZE BUSINESS EFFICIENCY AND INTELLIGENCE
SMART RETAIL SOLUTION FOR SHOPPING MALL

SHOPPING MALL 2017-1H
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 R&D. 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.
- 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
- **HEDP** – 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**
Shopping malls around the world are more than just retail centers. They are also important social environments for entertainment, activities, and culture, bringing people together for memorable experiences of many kinds. Because of this, they are also vulnerable to subtle dangers. Hikvision is dedicated to developing the most advanced video surveillance technology in affordable, convenient, and vitally effective packages for today’s security needs.

More than just security, the 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 valuables
• Provides a more pleasant parking environment
• Provides precise customer traffic statistics for smart business decisions
Parking
- ANPR system manages vehicle access
- DarkFighter camera covers dimly lit indoor parking lots
- Parking guide assists customers

Shop Entrances
LightFighter camera provides clear visibility both inside and outside the store in high contrast light conditions

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

Elevator
Mini-dome cameras cover small indoor space monitoring such as elevators

Perimeter Protection
- High performance PTZ cameras provide automatic event detection functions
- Deepinmind NVR ensures the highest detection accuracy rate

Shopping Area
- High resolution fisheye cameras for panoramic view without blind spot
- Flexible monitoring with PTZ dome
- Darkfighter camera ensures property safety during off-hours.
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

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.

2 x Panoramic View

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 ELEVATOR**

Mall elevators get loads of foot-traffic, so it is vitally important to ensure operational safety and to provide appropriate services immediately if an emergency should happen.

**MONITORING OUTDOOR PARKING LOT**

Parking area lighting can be a tremendous challenge, but Hikvision’s Darkfighter Camera captures sharp color images, even at starlight levels. The 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.
PARKING
VEHICLE ACCESS MANAGEMENT

Hikvision Vehicle Access system combines high quality ANPR cameras and back-end devices to create barrier linkage, B/W list filtering and alarm triggering.

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

- Automatic Number Plate Recognition – High-definition image captured and video stored locally in Entrance & Exit control terminal
- Automatic barrier can be opened for whitelisted vehicles. The barrier can remain in place and alarm sent for blacklisted vehicles
- Plate number can be manually corrected by management personnel to avoid congestion in the entrance & exit in case of recognition failure
- Black/whitelists can be modified easily at each guard office according to user authority
- Smart vehicle-access event searching based on time or full or partial plate number
- Local HDMI/VGI output support

LED Display

- LED displays the available lot information in real time to notify customers of open stalls, hours of operation, etc.

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

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

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.

Alarm accuracy at least 90%
SECURITY CENTER FOR SHOPPING MALL

- Storage Server
- IVMS-5200P Client
- IVMS-5200P Server
- Controller/Decoder
- TV Wall

- Entrance Control
  - Entrance Barrier
  - ANPR Camera

- Shopping Areas
  - Network Camera
  - Network Camera
  - Network Camera

- LAN
- Switch

SECURITY CENTER

- Modularized design and hot plugging for easy maintenance
- Double controller & power module for data safety
- Supports CVR mode for better return on investment

- Entrance Control
- Shopping Areas
- TV Wall
- Network Camera
- Decoder
- Video Wall Controller
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

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

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
Event Alarms (i.e., Line crossing)
- 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 pop-up images/video for visual verification
- One-check-all mechanism allows one user to handle alarm events while others get notifications

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 16x)
- Unrelated video can be skipped during playback

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

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
Somerset Mall, South Africa

Somerset Mall has installed 130 Hikvision network cameras to protect the safety of visitors and stores alike throughout the complex, the third-largest shopping center in the province.

“We had also used Hikvision products in other projects and found them to be robust and reliable, delivering very high quality images whilst remaining cost-effective.”

Mario Groenewald, technical manager at SSC Infrasek, System Integrator.
PRODUCT SHOWCASE

Entrance

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

- DarkFighter ultra-low light technology
- 1/1.8” progressive scan CMOS sensor
- Full HD 1080p, up to 60fps
- 120dB WDR
- Full smart feature-set
- Auto back focus
- P-Iris optional

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

- LightFighter 140dB triple exposure WDR
- 1/2.8” progressive scan CMOS sensor
- Full HD 1080p, 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 [IIIV]
12MP Panoramic IR Network Camera

- 360° panoramic view
- 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 I-VI
- Up to 15m IR

DS-2CD4026FWD-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

SHOPTING MALL
PRODUCT SHOWCASE

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

- 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

- 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-4W(I)(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

Parking Lot

DS-2CD6986F (-H)
8MP 180° Panoramic Network Camera

- 4x 2MP DarkFighter imagers
- On-board stitching, up to 8 MP resolution
- Up to 4096 x 1800 panoramic view
- 5 mm fixed lens
- Ultra-low-light capability
- Supports on-board storage, up to 128 GB
- Audio/alarm I/O interfaces
- IP66 weather-resistant protection
- 12 VDC & PoE power supply
- Built-in heater & fan optional (-H)

DS-2CD4626FWD-IZ(H)(S)
DarkFighter Series 2MP Bullet Network Camera

- DarkFighter ultra-low light technology
- License Plate Recognition
- 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 70m IR range
- IP66, IK10

DS-2CD4A26FWD-IZ(S)(H)/P
2MP ANPR Ultra-Low Light Bullet Camera

- DarkFighter ultra-low light technology
- License Plate Recognition
- 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 50m IR range
- IP67

SHOPPING MALL
### PRODUCT SHOWCASE

#### DS-2CD4B26FWD-IZ(S)
**Darkfighter Lite Series 2MP Bullet Network Camera**
- Darkfighter ultra-low light technology
- 1/1.8” progressive scan CMOS sensor
- Color: 0.002Lux/F1.2, B/W: 0.0002Lux/F1.2
- Full HD 1080P
- 120dB WDR
- Up to 128GB on-board storage
- Up to 120m IR range
- IP67

#### iDS-2CD6810F/C
**Dual-Lens People Counting Camera**
- 1/3” Progressive Scan CMOS
- Max. resolution 640 x 960
- 2 mm/2.8 mm lens, optional
- 3D digital noise reduction
- DC 12V/PoE
- 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

#### DS-9612B/256NI-I16/I24/H
**embedded H.265+ 4K Super NVR**
- 256/320 Mbps Bit Rate Input Max (up to 16/32/64-ch IP cameras input)
- Up to 12MP resolution recording
- Support H.265+/H.265/H.264+/H.264 video formats
- 2-ch HDMI and 2-ch VGA outputs interfaces provided,
- 1 HDMI output at up to 4K resolution
- Up to 120m IR range
- Up to 128GB on-board storage
- 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 APR
- Support 8 HDDs (8TB/Disk) and RAID (Raid 0/1/5/6/10)
- N+1 Hot spare

#### DS-2DF8236X-AEL (W)
**Darkfighter series 2MP 36X IR PTZ Network Camera**
- H.265+/H.265/H.264+/H.264
- Ultra-low illumination technology
- 1/1.8” HD CMOS sensor
- 1920*1080P Full HD, 36X Optical Zoom
- Smart features [smart tracking, etc], optical defog
- 120dB WDR
- 200m IR distance
- Wiper for self-cleaning [-W]
- Vandal-proof [IK10]
PRODUCT SHOWCASE

**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 & 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

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**DS-C10S-S11/22/41/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 72-piece screen joint
- Built-in Matrix
- Supports jointing, division, and display
- Base map
- Cross-window video roaming
- Support hot plugging
- Redundant power supply

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

- Decoding capacity:
  - 12MP at 20fps: 2 channels;
  - 8MP at 30fps: 4 channels;
  - 5MP at 30fps: 6 channel;
  - 3MP at 30fps: 10 channel;
  - 1080p at 30fps: 16 channel;
- Support HDD hot-swapping
- Dual Gigabit network interfaces
- Modularized design for easy maintenance
- Redundant power design for high reliability
- Support HDMI (adaptable to DVI-D) and BNC output interfaces.
- Up to 4K (3840 × 2160@30Hz) via HDMI output interfaces (only for even interface).
- G.722, G711A, G726, G711U, MPEG2-L2, and AAC audio compression

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**DS-D2046NL/H –C**
Ultra Slim Bezel LCD

- 46" or 55" screen dimension
- -NL: 500cd/㎡ brightness
- -NH: 800cd/㎡ 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

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**DS-D2055NL/H –B**
Ultra Slim Bezel LCD

- LED backlight 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
- Built-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

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**DS-D5032FL**
32”/22” LCD Monitor

- 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
PRODUCT SHOWCASE

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

- 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 RAID0, RAID1, RAID5, RAID10 support;
- Active directory integration for user management;
- 100 client user support;
- 3 years of Hardware warranty and software technical support with SSP.

**iVMS 5200 Pro**
IVMS-5200 Professional Software

- Centralized equipment and user management
- Support ANPR and ANPR based parking management
- Support business intelligence & POS integration
- Support RSN 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

**Blazer Pro 128/256/16H**
VMS All-in-One Server
MAXIMIZE BUSINESS EFFICIENCY
AND INTELLIGENCE
SMART RETAIL SOLUTION
FOR SHOPPING MALL

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