**A HELPFUL HAND
FOR THE CARING PROFESSIONS**
HOSPITAL SOLUTION

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HIKVISION®

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ABOUT **HIKVISION**

Security Industry Market Leader

The global security market includes security devices, system integration, and security services. Video surveillance, in particular, is the largest segment of the security devices market, accounting for more than 50%. It had an estimated global market value of $18.5 Billion and a 10.2% growth rate in 2018.

Hikvision's capabilities and performance in the security and video surveillance industries have been recognized by leading analyst firms. The winner of several global awards, Hikvision was recognized as the No. 1 video surveillance products provider worldwide by IHS Research for the 7th consecutive year (2011–2017) and No. 1 in A&S Magazine's "Security 50" in 2016 and 2017.
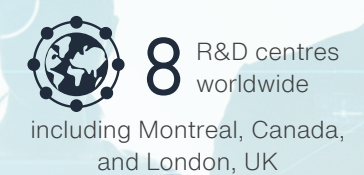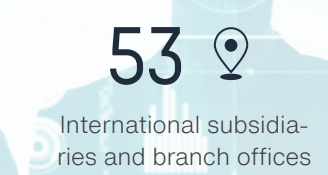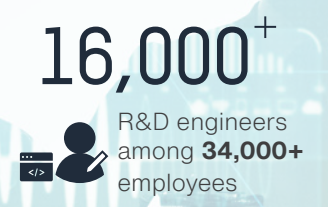
Industry Pioneer

Since 2001, Hikvision has grown from being a single-product supplier to the world's leading provider of security products and solutions. From the early digital age to today's intelligence era, we have seized every opportunity to advance the industry with our innovative technologies. And venturing into new areas of inspiring technology – such as Artificial Intelligence, cloud computing, and the fusion of deep learning and multi-dimensional perception technologies, to name a few – Hikvision leads the security industry as an IoT provider with video as the core competency.

Scope of Business

With its highly skilled R&D workforce, Hikvision develops a full suite of comprehensive products and solutions for a broad range of vertical markets. In addition to the security industry, Hikvision extends its reach to smart home tech, industrial automation, automotive electronics and intelligent storage industries with video surveillance as the core technology, to achieve its long-term vision.

Global Operations

Hikvision has established one of the most extensive marketing networks in the industry, comprising 44 international subsidiaries and branch offices to ensure quick responses to the needs of customers, users and partners.

No. **1**
Video surveillance equipment supplier worldwide 2011-2018 (IHS Markit)

No.**1** in a&s Security 50 (2016 - 2018)

38.85%
Compound annual growth rate from 2010 to 2018.

16,000+
R&D engineers among **34,000+** employees

Technology partners
500+

53
International subsidiaries and branch offices

Over **8**%
of annual revenue invested in R&D

8 R&D centres worldwide
including Montreal, Canada, and London, UK

2,800+
Patents

150+
Hikvision products are used in 150+ countries and regions

HOSPITAL SOLUTION
THOUGHTFUL AND THOROUGH PROTECTION

Hospitals and health care facilities are designed to be places of healing, recovery, and tranquility. However, with high volumes of people constantly coming and going - visitors, volunteers, patients, and others - maintaining smooth operations and responding quickly to emergency events are becoming more challenging. Furthermore, recording the activities of hospital personnel, securing limited access areas, and keeping parking lots operating efficiently require intelligent technology. Some of the most common requirements for a hospital solution might include:

· Ensuring around-the-clock safety for patients and staffs
· Quickly evaluating incidents for prompt event response
· Effectively managing access control and attendance for critical and restricted areas
· Centralizing operations for all the various systems

Hikvision's Solution for Healthcare Facilities helps to answer to all of these concerns and more with its advanced technology, powerful cameras, and reliable recording devices. Everywhere from guard stations to intensive care units, Hikvision products powerfully assist and protect healthcare facilities and personnel, making both security and management for hospitals easier and more intelligent.

A complete hospital solution requires the synergy of a number of systems - surveillance, panic alarm, and access control systems, to name a few. Hikvision offers advanced and comprehensive solutions that fluidly integrate all the moving parts, making setup and daily operations much easier for your unique conditions.

Our solution designs will bring to you:

Easy Operation for Daily Tasks
Managing and configuring all device functions on one unified platform – no switching between software programs always makes operations more efficient!

Easy Integration for Existing Applications
If you already have existing devices from other systems, or if you wish to use your own platform, our open-platform capabilities will ensure smooth integration.

What you'll gain:

· Property and personnel safety for all patients and staff
· Intelligent functions to help improve service and operations
· Effective, accurate access control for key areas like pharmacies and more
· Efficient and reliable device integration and management

Up to 4K HD Video
Comprehensive recording
of all details at every part of the hospital

Intelligent Behavior Analysis
Real-time detection and alarm
for security and safety events

Access Control
Accurately manage access for restricted areas such as
pharmacies, operating rooms, offices, etc.

Efficient Operation
Added intelligent features
for optimized operations and more

FROM NURSE STATIONS TO PATIENT AREAS AND BEYOND
WE'VE GOT YOU COVERED

01
Control Room
Powerful and unified
security management
- Ensure quick response to alarms with advanced alarm management function
- Easily manage access control systems, including assigning permissions, managing user groups, and more
- Enjoy an intuitive dashboard showing the status of devices
- Set up automatic health inspections and receive notifications of errors

02
Parking Lots
Efficient vehicle
access management
- Reduce labor costs with automatic vehicle entry by ANPR camera
- Effectively manage vehicle flow and entry / exit records
- Get comprehensive monitoring for the entire parking lot with clear video both day and night

03
Entrance Monitoring
Clear monitoring
at all time
- Capture sharp imaging at entrances even in high contrast conditions with WDR cameras
- Use people counting technology to record numbers of visitors for capacity control and optimized security

04
Lobbies and Nurse Stations
Quick response
to sudden events
- Detect and respond quickly to events, such as a patient falling, with intelligent cameras
- Efficiently display hospital floor map or health-related public announcement with digital signage
- Clearly record all work and interaction at reception or nurse stations

05
Pharmacies
All-around protection with
multiple systems
- Strictly control access with face recognition terminals to ensure only authorized persons can enter
- Log all entry and exit records
- Monitor the indoor temperature and send alarm notifications if a temperature anomaly is found

06
Doctor's Offices
Compact cameras
for routine monitoring
- Record the daily work for doctors in case of any medical arbitration is required
- Monitor offices during off-hours to ensure the safety of all information such as patients' clinical records or other medical information

07
Patient Areas
Thoughtful and
efficient care
- Provide patients with a panic button to call for help upon emergency
- Communicate easily with audio intercom (public broadcasting also available)

08
Corridors
Effective monitoring
for all areas
- Allow full view of the corridor without losing any detail with the specially-designed corridor monitoring mode (3:4 frame ratio)
- Utilize intelligent cameras to monitor sudden events, enabling quick responses

HOSPITAL

FROM BASIC TO ADVANCED
OUR PRODUCTS ANSWER TO YOUR NEEDS

Parking Lots

DS-2CD7026G0/EP
- Deep learning algorithm to reduce false capture rate
- Stores up to 10,000 number plates
- DarkFighter and HLC for good environmental suitability
- Supports various integration modes

DS-2DE2A204IW-DE3
- High quality imaging with 2 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Clear imaging against strong back lighting with 120 dB WDR technology

Entrance Monitoring

DS-2CD6825G0
- Two 2 MP lenses with colorful images
- Binocular stereo vision obtains 3D information for objects and filters targets by height
- Deep learning algorithm to improve counting accuracy
- Compatible with various installation heights ranging from 1.9 to 6 meters

Pharmacies

DS-2TD1217P
- Bi-spectrum image fusion, picture-in-picture preview
- High sensitivity thermal module with 160 x 120 resolution
- Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR
- Reliable temperature-anomaly alarm
- Advanced fire detection algorithm

DS-K1T331
- Face capacity: 300 face images
- 3.98-inch touch screen
- Face recognition speed less than 0.2 seconds
- Anti-spoofing function to prevent counterfeit methods
- Supports self-defined time attendance status (check in/out, break in/out, overtime in/out)

Doctor's Offices

DS-2CD2143G0-IU
- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light with 120 dB true WDR technology
- Built-in microphone for real-time audio security

Lobbies and Nurse Stations

DS-2CD3745G0-IZS
- High quality imaging with 4 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging even against strong back light with 120 dB true WDR technology

DS-2CD2183G0-IU
- High quality imaging with 8 MP resolution
- Efficient H.265+ compression technology
- Clear imaging against strong back light with 120 dB true WDR technology
- Built-in microphone for real-time audio security

DS-D6043FL-BS
- 43 and 55-inch options available with 1920 x 1080 resolution
- Supports various types of networks: Wired, wireless, and 3G / 4G

Patient Areas

DS-PEA1-21
- One-touch for emergency call
- High quality imaging with 2 MP built-in camera
- Real-time security via sound and voice detection
- Supports broadcasting and siren / audio expansion
- Supports dual net ports
- Built-in SD slot supports MicroSD / SDHC / SDXC memory cards up to 128 GB

DS-2CD2346G1-I
- High quality imaging with 2 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong back light with 120 dB true WDR technology

Corridors

DS-2CD2H45G1-IZS
- High quality imaging with 2 MP resolution
- Excellent low-light performance via powered-by-DarkFighter technology
- Efficient H.265+ compression technology
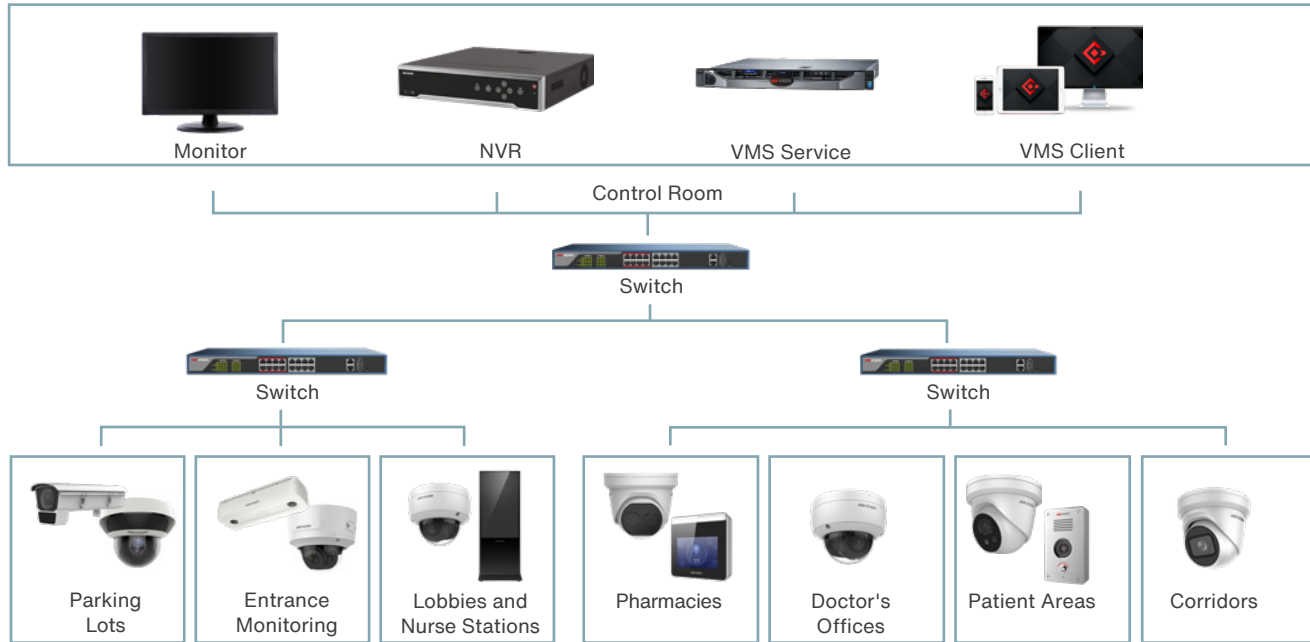- Clear imaging against strong back light with 120 dB true WDR technology

SYSTEM **ARCHITECTURE**

| Monitor | NVR | VMS Service | VMS Client |

Control Room

Switch

Switch — Switch

| Parking Lots | Entrance Monitoring | Lobbies and Nurse Stations | Pharmacies | Doctor's Offices | Patient Areas | Corridors |

More Integration Information		
	IPC/PTZ/NVR	**ANPR**
Milestone	√	√ (With Plugin)
Axxon	√	√
OnSSI	√	×
Digifort	√	×