**BEATING THE ODDS
WITH REASSURED SAFETY**
CASINO SOLUTION

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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.
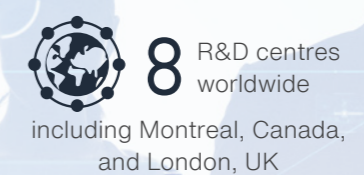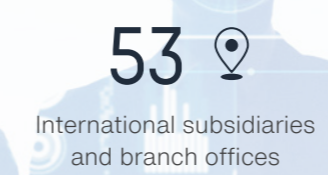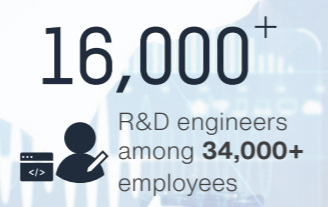
Industry Pioneer

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)
No.1

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

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

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

2,800+
Patents

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

CASINO SOLUTION
COMPREHENSIVE PROTECTION FROM ALL ANGLES

Casinos are popular getaway destinations where visitors go to relax, fun, and enjoy the thrill of the game. But without top-level safety and security management, casino owners and operators face a multitude of risks. A combination of intricate system designs, advanced product utilization, and the security staff's hard work together to create a happy and memorable experience at these exciting venues.

Because they handle large amounts of cash every day, casinos are a major target for criminals. Therefore, securing property while their many visitors come and go is a tremendous challenge. There are also many other challenges that are unique to the security industry, including:

- How to obtain clear video evidence in low-light and high-contrast environments, in case of disputes or accidents
- How to effectively protect an entire area from unwanted entries, including trespassing as well as previously-banned visitors re-entering
- Fraud or cheating at gaming tables
- Measuring the overall operational performance of the casino

Hikvision's Casino Solution helps to resolve these concerns and to make both security and management easier and more intelligent.

A complete casino solution requires the synergy of a number of systems - surveillance, 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:

- Personnel and property safety
- Intelligent functions to improve operational efficiency
- Strict and accurate access control
- Efficient and reliable device integration and management

Up to 4K HD Video
Capturing every detail at gambling tables, cashiers, and critical areas

Monitoring Under Low-light
Obtaining clear and colorful footage even under low-light conditions

Access Control
Accurately managing access for the entire casino and for restricted areas

Intelligent Operation
Adding intelligent features to optimize operations

FROM ENTRANCES TO GAMING TABLES AND BEYOND
WE'VE GOT YOU COVERED

01 **Parking Lots**
Efficient vehicle
access management
- VIP vehicles can be granted access automatically
- Effectively manage vehicle flow and entry/exit records

02 **Perimeter Protection**
Prevent unwanted
entries
Because casinos usually have large amounts of cash and other valuables, it is important to protect against unlawful break-in, starting at the perimeters. Depending on the type of perimeter and the budget, Hikvision offers several options for perimeter protections:

Passive Infrared (PIR) Camera Solutions
Economical Choice for Protection and Deterrence
- PIR Cameras accurately detect human intrusion by picking up infrared wavelengths specific to human bodies
- Automated, embedded sirens and flashing lights can deter intruders before they cause harm

AcuSense Solutions
Accurately Focus on Human and Vehicle Events
- With deep learning algorithms, AcuSense devices are able to identify humans and vehicles from video streams and send automatic alerts accordingly
- Search for files using human and vehicle tags, instead of watching hours of recorded video

IR Beam Solutions
Effective Long Distance Protection
- Create non-video perimeter protection using advanced technology
- Effectively protect expansive perimeters – from 60 to 250 meters

03 **Entrance Monitoring**
See clearly,
identify accurately
- WDR cameras enable clear image-capture even with strong backlight
- Previously banned visitors can be recognized and staff can be notified automatically
- People-counting records the numbers of customers for capacity control and operation optimization

04 **The Control Room**
Powerful and unified security
management
- Monitor gaming areas for fraudulent behaviors
- Get real-time alerts for irregular or dangerous activity
- Set up intuitive dashboard views for general device status
- Enjoy automatic health inspections and notifications of errors to management

05 **Restricted Areas**
Strict access control and
for unauthorized personnel detection
- Facial recognition terminals help effectively manage access control, preventing people from using fake ID cards or other counterfeit methods to enter important areas
- Stranger detection increases security levels in restricted areas

06 **Lobby and Gaming Tables**
The big picture
- and all the details, too
- 12 MP high-definition fisheye cameras monitor a large area
- Zooming in and out provides clear details and complete views of a venue

07 **Cash-Handling Areas**
Crucial information,
all in one place
- Overlay related information, such as transaction time and amounts, onto video
- Clearly capture all details at the cashier

FROM BASIC TO ADVANCED
OUR PRODUCTS ANSWER TO YOUR NEEDS

Entrance Monitoring

DS-2CD6924F-IS
- Darkfighter Ultra-low illumination technology
- 180˚ horizontal panoramic monitoring
- 8 MP (4 x 2 MP) with 20 m IR distance
- IP67 and IK10 rating
- 6 behavior analyses, audio anomaly detection and face detection

COST EFFICIENT

DS-2DF5225X-AEL(D)
- 2 MP, 25x zoom ration
- Smart features
- 120 dB WDR
- Vehicle tracking and human tracking

DS-2CD5146G0-IZS
- Darkfighter ultra-low light technology
- H.264/H.264+/H.265/H.265+/ MJPEG

COST EFFICIENT

DS-2CD3745G0
- 120 dB WDR
- 6 VCA functions
- H.264/H.264+/H.265/H.265+/ MJPEG
- Powered by Darkfighter technology

Perimeter Protection

DS-2CE12DFT-F
- 2 MP with 24/7 full color imaging
- Warm supplemental light with 40 m distance
- Clear imaging even against strong back lighting

DS-2CD2T46G1-2I/4I
- 4 MP, 120 dB true WDR
- Excellent low-light performance via powered-by-DarkFighter technology
- H.265+ compression codec
- False alarm reduction through deep-learning-based human and vehicle target classification

DS-7616NXI-I2/16P/4S
- Connects with up to 16 channel IP cameras
- H.264/H.264+/H.265/H.265+
- Up to 12 MP high-definition live view, video storage, and playback

DS-7732NXI-I4/16P/4S
- Connects with up to 32 channel IP cameras
- H.264 /H.264+ / H.265 / H.265+
- Up to 12 MP high-definition live view, video storage, and playback
- 4 channels false alarm reduction through deep-learning technology

Parking Lots

iDS-2CD8426G0/F
- H.264/H.264+/H.265/H.265+
- 5 video streams
- 120 dB WDR
- IR range up to 10 m
- Face recognition

DS-2CD6825G0/C-I(V)(S)
- Double lenses
- People counting
- Horizontal FOV 104.5°, vertical FOV 70.5°, diagonal FOV 112°

DS-2CD7026G0/EP
- ANPR based on deep learning
- Multiple integration modes
- Excellent low-light performance via DarkFighter technology

DS-TCG227-A
- ANPR based on deep learning
- 2 MP, 1080p @ 25 fps, 0.002 lux ultra-low light
- Local database stores up to 100,000 licenses for authorized and unauthorized lists (TF card)

Cash-Handling Areas

DS-PI-TXX
- Alarm Distance: 100 m / 150 m / 250 m
- Three beams

DS-PI-DXX
- Alarm Distance: 60 m / 100 m
- Two beams

DS-2CD5185G0
- 8 MP 25 fps / 30 fps with 120 dB WDR
- H.264/H.264+/H.265/H.265+/MJPEG
- Color: 0.007 lux @ F1.2, B&W: 0.0007 lux @F1.2
- 1 x audio out, 1 x audio in
- 1 x alarm in, 1 x alarm out
- RS485
- 5 streams + 5 custom streams

iDS-7716NXI-I4/16P/16S(B)
- Maximum 320 Mbps bit rate input (up to 16 channel IP video)
- 4 SATA Interfaces
- Up to 8 TB per HDD
- 16 independent PoE network interfaces
- alarm I/O: 16/8

Offices and Other Restricted Areas

DS-K1T804
• LCD display screen
• Stores up to 3,000 fingerprints, 3,000 cards, and 100,000 events storage
• Access control function
• Communication via TCP/TP and Wi-Fi
• E-Home for public network communication
• Multiple time attendance status

K1T8003
• Standalone access control terminal
• 2.4-inch LCD display screen
• Stores up to 1,000 fingerprints, 1,000 cards, and 100,000 events This feature should be listed on a new bullet point, as for the DS-K1T804
• Communication via TCP/TP
• E-Home for public network communication
• Multiple time attendance status

Lobby and Gaming Table

DS-2CD63C2F-IS
• 360° panoramic view
• H.264/MPEG4
• Dual-stream
• 12 VDC & PoE

DS-2CD5185G0
• 8 MP 25 fps / 30 fps with 120 dB WDR
• H.264 / H.264+ / H.265 / H.265+ / MJPEG
• Color: 0.007 lux @ F1.2, B&W: 0.0007 lux @F1.2
• 1 x audio out, 1 x audio in
• 1 x alarm in, 1 x alarm out
• 5 streams + 5 custom streams
• RS485
• IK10

The Control Room

DS-D5022FC
• Full HD (1920×1080) 22" LED backlight monitor
• Image processing: 3D comb filter, 3D De-interlace, 3D noise reduction
• Multiple interfaces: HDMI, VGA, BNC input, BNC output, audio in, and USB
• Wide viewing angle: horizontal 170°, vertical 160°
• 24/7 operation

DS-6900UDI
• Powerful decoding capability, up to 128 channels at 1080p
• Multiple output interfaces: HDMI, VGA, and BNC
• Various video viewing functions: window splicing, cross-window, window division, window roaming
• H.264 / H.264+ / H.265/H.265+ video compression

HikCentral Professional
• Video management software
• Centralized management
• Remote site management
• Supports management of radar, alarm, and access control devices.

DS-3E2528P
• 24 x 10 / 100 M / 1000 M RJ45 ports
• 4 x 1000 Base-X SFP ports
• Standards: Console, Telnet, SSH2.0, Web, SNMP v1/v2/v3, TFTP, RMON

Video Wall | NVR | VMS

Control Room

Switch

Switch | Switch

Entrance Monitoring | Parking Lots | Perimeter Protection | Cash-Handling Areas | Offices and Other Restricted Areas | Lobby and Gaming Table

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