



THE BANKING SOLUTION
FOR ATM NETWORK

COMMON CHALLENGES AND HIKVISION'S SOLUTIONS

Banks install large numbers of ATMs to improve service, to enhance market ability, and to reduce labor costs. ATM machines provide around-the-clock banking access to customers. With the convenience there also comes potential safety risks. Criminal behaviors that frequently happen around ATM machines include:

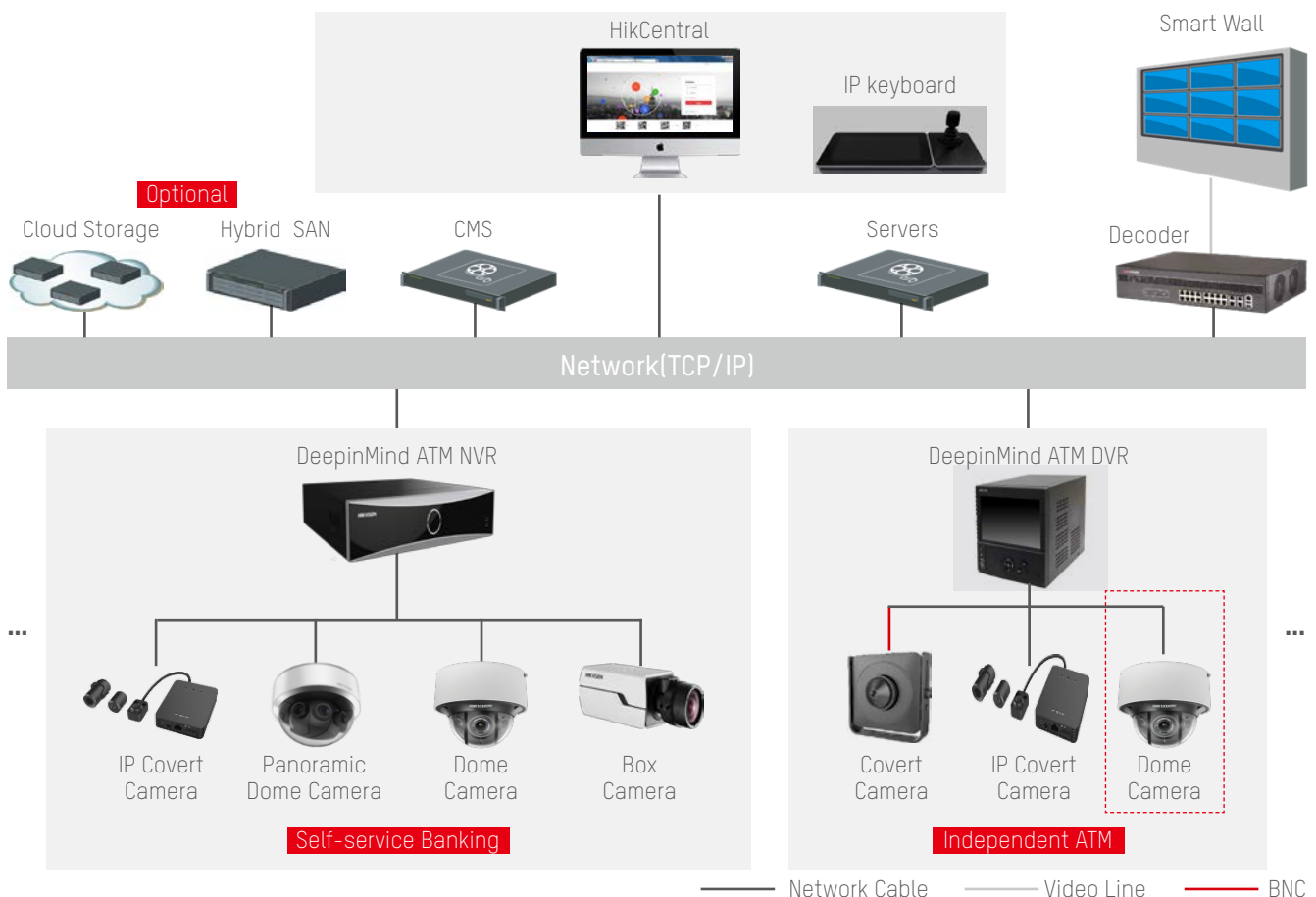
- Dismantling ATM machines
- Installing false card readers or using counterfeit cards
- Making illegal deposits, withdrawals, or transfers
- Robbing customers after withdrawing cash
- Customer disputes – unidentified persons making withdrawals, non-operating ATMs, unfinished customer transactions

A SMART SOLUTION FOR ATM NETWORK

- Prevents crimes, ensures normal and safe transactions at ATM machines
- Helps ATM administrators keep machines operating correctly
- Prevents vandalism to ATM machines to protect a bank's assets
- Records video surveillance footage of the whole process of a customer's ATM machine use
- Provides material evidence for post-event and forensic analysis
- Links ATM machines to networked surveillance for central and hierarchical control



SOLUTION ARCHITECTURE

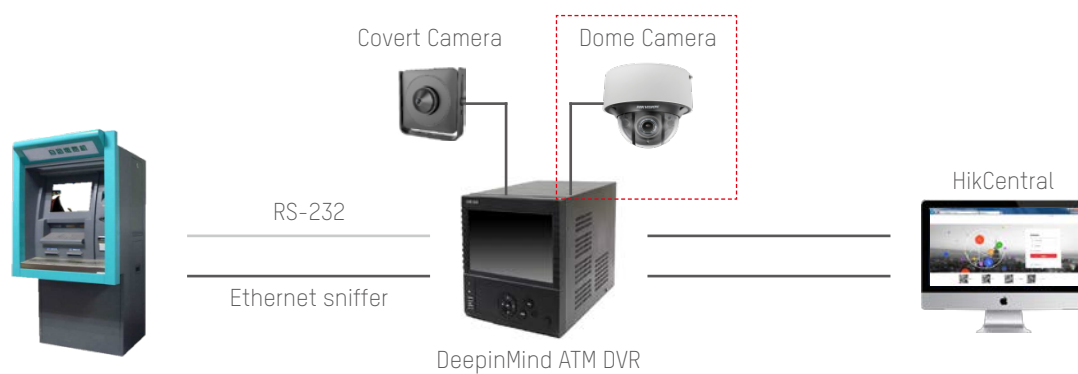


CRITICAL ATM AREAS

Along with banks, ATM machines and services are provided in many commercial complexes, supermarkets, and other public areas. Safety precautions for ATM machines are also necessary to ensure customer transaction security and bank property safety.

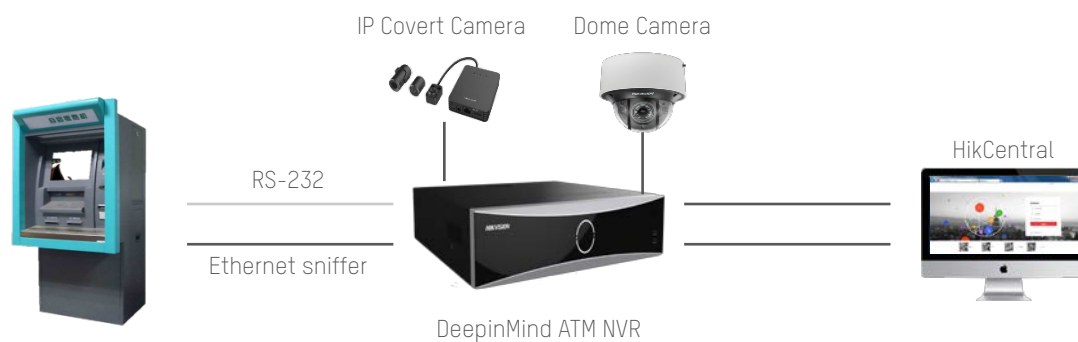


Independent ATMs ▶ ATM Monitoring ▶ Video Surveillance



Protocols: Ethernet sniffer: NCR DRS918 DIEBOLD
RS232: ICBC
ATM manufacturers: NCR HITACHI DIEBOLD

Note: Some protocols need to be customized.



Self-service Banking ▶ ATM Monitoring ▶ Video Surveillance

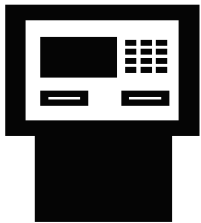
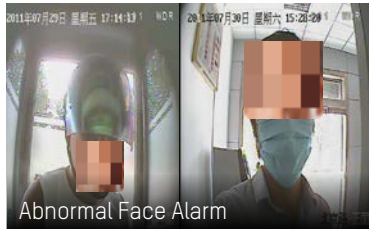
—— RS-232 — Network Cable — BNC

ATM MONITORING

Protects ATM areas and users from potential financial crimes and ensures a safe transaction environment for customers



Face Detection



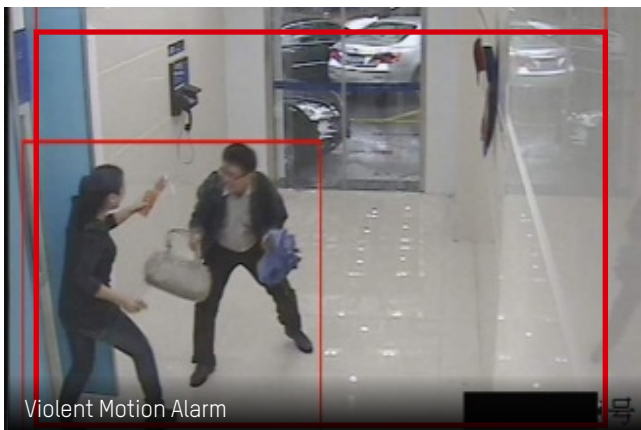
Panel Detection



*Note: Some event monitoring needs to be customized.

VIDEO SURVEILLANCE FOR INTELLIGENT APPLICATIONS

Self-service bank requires both CCTV surveillance and preventive measures. Hikvision's solution processes alarms automatically when VCA analysis detect behaviors such as fighting, violent movements, and objects left unattended. System operators can capture events and notify security guards immediately.



HikCentral



Easy and Efficient

- Easy system /device status management
- Easy and efficient alarm management
- Efficient video search & playback
- Easy footage protection, bookmarking, and exporting
- Easy viewing experience
- Easy access: Mobile / Web / Control client
- Easy user management and authorization management

Unified Platform

- Video surveillance management
- Access control
- Facial recognition
- Smart Wall
- Heat mapping
- People counting
- POS searching
- ANPR
- Open SDK

High Scalability & Fail Safe Mechanism

- High Scalability & Fail Safe
- 1 CMS supports 3,000 channels
- RSM supports 1,024 CMS and encoding devices, or more than 100,000 cameras
- System health monitoring module runs real-time status check
- System failover mechanism and recording, N+1 solution



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HIKVISION®

Headquarters

No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Hikvision USA
T +1-909-895-0400
sales.usa@hikvision.com

Hikvision Australia
T +61-2-8599-4233
salesau@hikvision.com

Hikvision India
T +91-22-28469900
sales@pramahikvision.com

Hikvision Canada
T +1-866-200-6690
sales.canada@hikvision.com

Hikvision Thailand
T +662-275-9949
sales.thailand@hikvision.com

Hikvision Europe
T +31-23-5542770
sales.eu@hikvision.com

Hikvision Italy
T +39-0438-6902
info.it@hikvision.com

Hikvision Brazil
T +55 11 3318-0050
Latam.support@hikvision.com

Hikvision Turkey
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

Hikvision Malaysia
T +6-032-7224000
sales.my@hikvision.com

Hikvision UK & Ireland
T +01628-902140
sales.uk@hikvision.com

Hikvision South Africa
Tel: +27 (10) 0351172
sale.africa@hikvision.com

Hikvision France
T +33(0)1-85-330-450
info.fr@hikvision.com

Hikvision Kazakhstan
T +7-727-9730667
nikia.panfilov@hikvision.ru

Hikvision Vietnam
T +84-974270888
sales.vt@hikvision.com

Hikvision UAE
T +971-4-4432090
salesme@hikvision.com

Hikvision Singapore
T +65-6684-4718
sg@hikvision.com

Hikvision Spain
T +34-91-737-16-55
info.es@hikvision.com

Hikvision Tashkent
T +99-87-1238-9438
uzb@hikvision.ru

Hikvision Hong Kong
T +852-2151-1761
info.hk@hikvision.com

Hikvision Russia
T +7-495-669-67-99
saleru@hikvision.com

Hikvision Korea
T +82-(0)31-731-8817
sales.korea@hikvision.com

Hikvision Poland
T +48-22-460-01-50
info.pl@hikvision.com

Hikvision Indonesia
T +62-21-2933759
Sales.Indonesia@hikvision.com

Hikvision Colombia
sales.colombia@hikvision.com

www.hikvision.com

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