



# Touch Free Access

**Fast, accurate recognition, even in darkness using HikVision MinMoe Face Recognition Terminals.**

Hikvision MinMoe Face Recognition Terminals are powered by a deep learning algorithm, which increases accuracy of face recognition to over 99% and enhances verification speeds to under 0.2 seconds.

The enhanced verification rates and accuracy ensure a pleasant, "touch-free" experience for users – a vast improvement over swiping ID cards or fingerprint scans.

MiniMoe Face Recognition Terminals also perform well in low and even zero light environments.

**Part Code – AEG SLFRCS - 01**

**One Door System complete, fully installed with Mag Lock, Touch Free Exit button, setup and training.**

One door system  
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**Our One Door Face Recognition System includes :**

- 1 x MiniMoe Face Recognition Terminal**
- 1 x Mag Lock (Single Leaf Door)**
- 1 x Touch Free Proximity Exit Switch**
- 1 x Green Emergency Break Glass**
- 1 x Full installed and Setup**
- 1 x Training on System Operation**



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## DS-K1T607 Series Face Recognition Terminal

DS-K1T607 series face recognition terminal is a kind of access control device with large screen ratio, which supports 1:N face authentication, fingerprint authentication, card authentication, etc. It can be mainly applied in multiple scenarios, such as dwellings, government buildings, banks, enterprises and so on.



### Available Model

- DS-K1T607MW

### Features

- 7-inch LCD touch screen
- 2 MP wide-angle dual-lens
- Adjusts supplement light brightness manually
- Face recognition in dark environment
- Face recognition distance: 0.3 to 1.5 m
- Suggested height for face recognition: between 1.4 m and 1.9 m
- Deep learning algorithm
- 6,000 face capacity, 5,000 fingerprint capacity, and 10,000 event capacity
- Multiple authentication modes
- Face recognition duration < 0.5 s/User; face recognition accuracy rate ≥ 99%
- Imports card and user data to the device via TCP/IP communication
- Stand-alone operation
- Transmits data to the client software via TCP/IP communication and saves the data on the client software
- Capture linkage and captured pictures saving



- Imports data to the device from the client software
  - Manage, search and set device data after logging in the device locally
  - Connects to one external card reader or access controller via RS-485 protocol
  - Connects to external access controller or Wiegand card reader via Wiegand protocol
  - Connects to secure door control unit via RS-485 protocol to avoid the door opening when the terminal is destroyed
  - Two-way audio with client software, indoor station, and master station
  - Remote live view via RTSP protocol; encoding mode: H.264
  - NTP, manually time synchronization, and auto synchronization
  - Audio prompt
  - Watchdog design and tamper function
- \* **Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.**

## Specifications

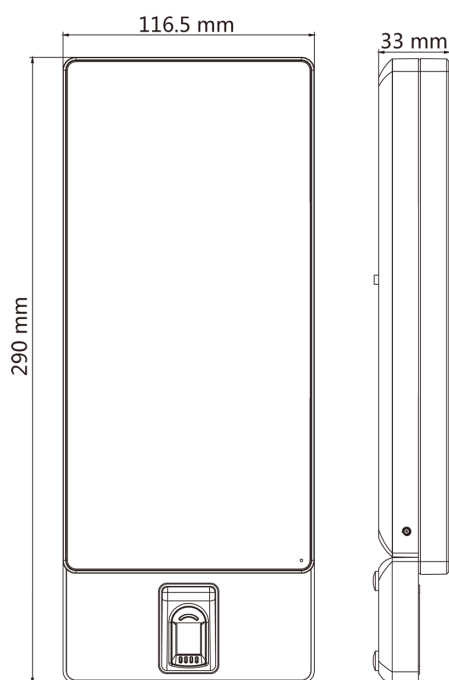
| Model                     | DS-K1T607E                                                                                                                               | DS-K1T607EF | DS-K1T607MW | DS-K1T607MFW |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|
| Operation system          | Linux                                                                                                                                    |             |             |              |
| Screen                    | 7 inch touch screen<br>Ratio: 16:9<br>Resolution: 1024 × 600                                                                             |             |             |              |
| Camera                    | 2 MP dual-lens camera, with IR supplement light, WDR                                                                                     |             |             |              |
| Fingerprint recognizer    | /                                                                                                                                        | Support     | /           | Support      |
| Indicator                 | Support                                                                                                                                  |             |             |              |
| Recognition mode          | Face: 1:1 and 1:N<br>Fingerprint: 1:1 and 1:N                                                                                            |             |             |              |
| Face capacity             | 6,000                                                                                                                                    |             |             |              |
| Fingerprint capacity      | /                                                                                                                                        | 5000        | /           | 5000         |
| Face recognition duration | < 0.5 s per person                                                                                                                       |             |             |              |
| Face recognition distance | 0.3 to 1.5 m                                                                                                                             |             |             |              |
| Card capacity             | 6000                                                                                                                                     |             |             |              |
| Card type                 | EM card                                                                                                                                  |             | M1 card     |              |
| Card swiping duration     | < 1 s                                                                                                                                    |             |             |              |
| Card swiping distance     | 0 to 3 cm                                                                                                                                |             |             |              |
| Event capacity            | 10,000                                                                                                                                   |             |             |              |
| Interface                 | Network × 1, RS-485 × 1, Wiegand × 1, USB × 1, alarm output × 1, alarm input × 2, lock ×1, door contact × 1, exit button × 1, tamper × 1 |             |             |              |
| Network                   | 10/100/1000 Mbps self-adaptive                                                                                                           |             |             |              |
| Wi-Fi                     | /                                                                                                                                        |             | Support     |              |
| Working voltage           | 12 VDC/3 A                                                                                                                               |             |             |              |
| Working temperature       | -30 °C to 60 °C (-22 °F to 140 °F)                                                                                                       |             |             |              |

| Model            | DS-K1T607E               | DS-K1T607EF | DS-K1T607MW | DS-K1T607MFW |
|------------------|--------------------------|-------------|-------------|--------------|
| Working humidity | 0 to 90% (No condensing) |             |             |              |
| Protection level | IP65                     |             |             |              |
| Tamper           | Support                  |             |             |              |

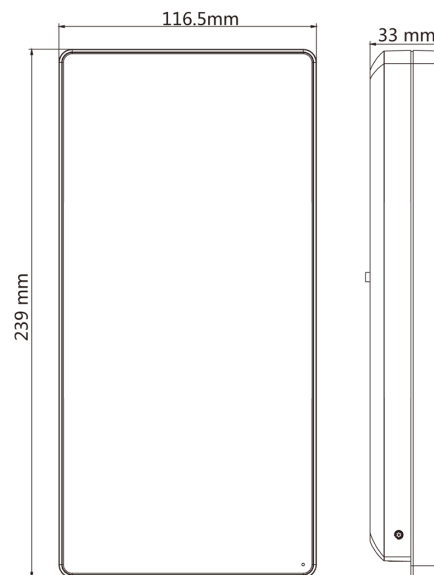
\* Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).

\* For device with fingerprint module, we suggest that do not install the device outdoors.

## Dimensions



With Fingerprint Module



Without Fingerprint Module

Distributed by



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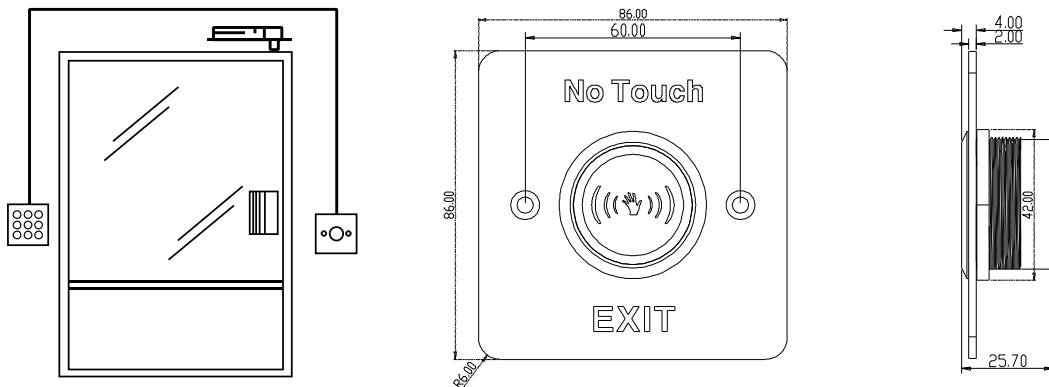
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**AEG-K7P03****Features**

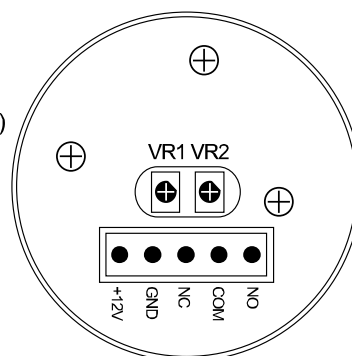
- Dimension(L×W×H): 86×86×25.7mm(3.39×3.39×1.01");
- Input Voltage: DC12V;
- Working Current: 20mA(standby), 50mA(working current);
- Current Rating: 1A@30VDC,0.5A@125VAC;
- Output Contact: NO/NC/COM contact;
- Panel: aluminum panel;
- Aging Test: already passed 1 million times aging test;
- Suitable Doors: all kinds of narrow doorframes;
- Working Temperature: -20°C to +50°C (-4°F to 122°F);
- Working Humidity: 0 to 95% (relative humidity);
- Maximum Inductive Distance: 40 to 100mm(1.57 to 3.94") (adjustable);
- LED Indicator Status: white/green/red LED, indicates power-off/active/Standby;
- Product Weight: 0.15kg (0.33lb).

**AEG-K7P03****Dimension and Installation****Dimension****Installation**

Detection range: 4-10cm(Adjustable)

VR1 illustration:

- ⊕ The Farthest distance
- ⊕ The Nearest distance



Time delay:0.5S~25S

VR2 illustration:

- ⊕ Min.time delay
- ⊕ Max.time delay

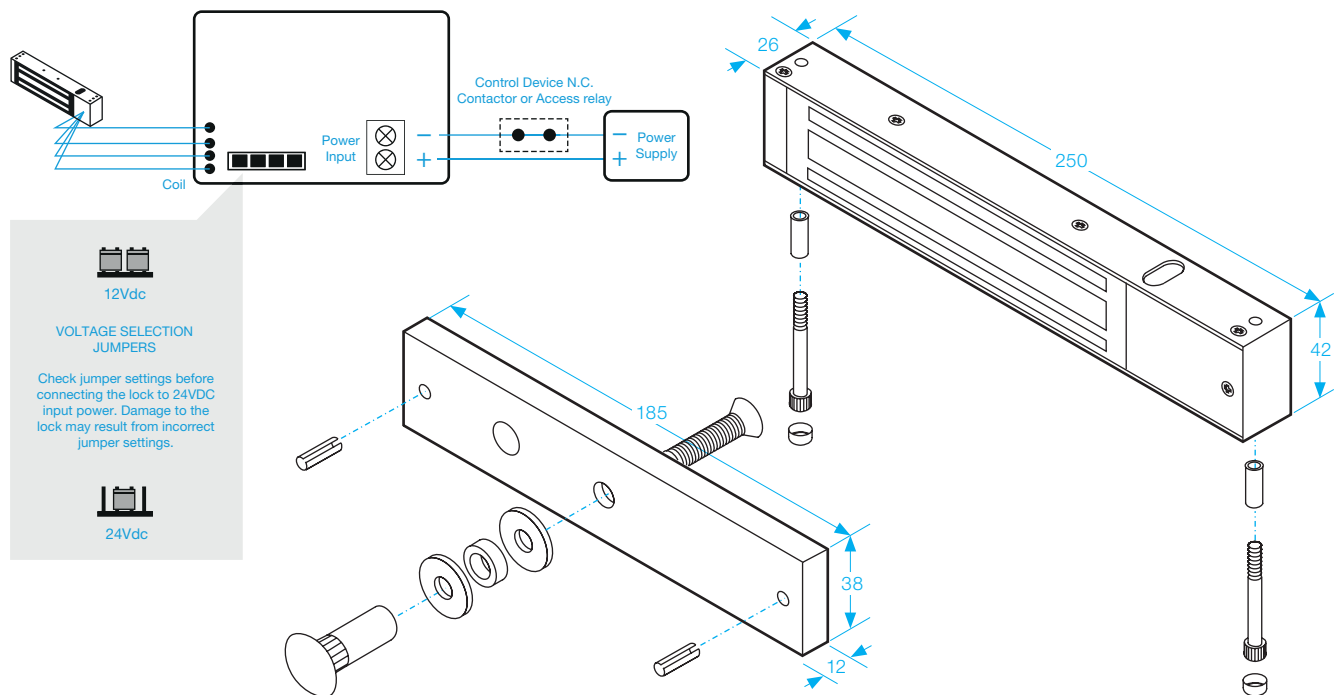
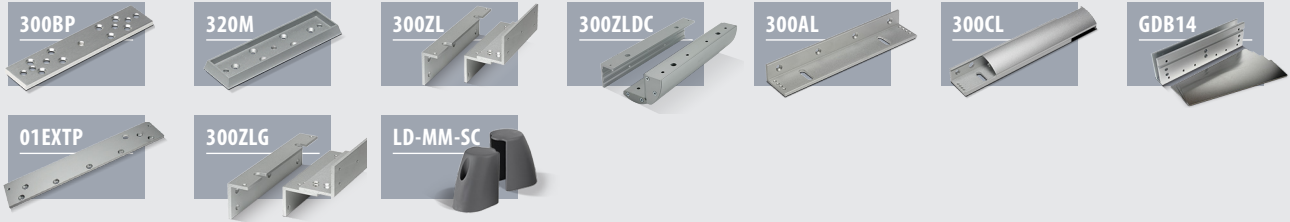
# AEG - 10001

## Unmonitored Mini Magnet

- Operating voltage 12~24Vdc
- Aluminium
- Fail-Safe (*Power to Lock*)
- Holding force up to 600lbs (272Kg)



### OPTIONS



### SPECIFICATION

- Voltage tolerance:  $\pm 15\%$ .
- Current draw: 500mA at 12Vdc, 250mA at 24Vdc (at temperature 20°C).
- Operating temperature: -10~55°C (14 to 131°F).
- Lock's surface temperature: Current temperature  $\pm 20\%$  (when power is on).
- Humidity: 0~95% non-condensing.
- Special Zinc finish for magnet and armature plate.
- Weight: 2.0kg (approx).

# iVMS-4200

## Overview

iVMS-4200 is versatile video management software for the DVRs, NVRs, IP cameras, encoders, access control devices, security control panels, video intercom devices, decoders, VCA devices, etc. It provides multiple functionalities, including real-time live view, video recording, remote search and playback, file backup, alarm receiving, etc., for the connected devices to meet the needs of small and medium-sized projects.

With the flexible distributed structure and easy-to-use operations, iVMS-4200 client software is widely applied to the surveillance project of financial, public security, military, telecommunications, transport, electricity, education, water conservancy industries, etc.

## Main Features

### Live View

- View settings and instant playback
- Main/auxiliary screen live view
- Up to 64-window division for standard screen, and 48-window division for the wide screen
- Custom window division configurable
- Live view in fisheye mode for fisheye camera
- Master-slave tracking
- Resuming the latest live view status after client restart

### Recording

- Recording both main stream and sub-stream for playback
- Remote manual recording
- Recording schedule for continuous recording, event recording and command recording
- Storing alarm pictures on Storage Server
- Providing SAN and CVR configuration for CVR device
- Video file overwritten and expired video file deleting

### Alarm Management

- Camera linkage and multiple linkage actions
- Device arming and alarm output control
- Alarm configuration for camera event, alarm input, zone event and device exception
- Searching and exporting the linked pictures of alarm logs
- Audible warning and pop up image when alarm triggered
- Custom alarm sound as desired.

### Playback

- Local and remote playback
- Instant playback, normal playback, alarm input playback, event playback, ATM playback, VCA playback, and fisheye playback.
- Up to 16-ch synchronous playback
- Locate the playback time accurately
- Skipping the unconcerned video during VCA playback
- Searching the video files which contain POS information
- Providing Player in the installation directory to view the downloaded video file
- Merging the video files when downloading by date

### Access Control and Video Intercom

- Managing video intercom and access control in one module
- Adding cards, fingerprints, and permissions when adding a person
- New design and interaction for time and attendance: Providing department schedule, multiple shift schedules, and various statistics
- Real-time alarm management for added access control devices
- Subscribing alarm that the client can display in real-time alarm management when it is triggered
- Alarm linkage with added cameras, including pop-up live view and captured picture
- Adding access control point as hot spot on E-map and viewing the video of the linked camera
- Configuration wizard for access control and time and attendance

### Security Control Panel

- Real-time alarm management for added security control panels
- Subscribing alarm that the client can display in real-time alarm management when it is triggered
- Acknowledging the received alarm, viewing the alarm on E-map, etc.
- Alarm linkage with added cameras, including pop-up live view, captured picture
- Adding zone as hot spot on E-map and viewing the video of the linked camera
- Configuration wizard

### Statistics

- Data statistics of heat map, people counting, counting, road traffic, face retrieval, license plate retrieval, behavior analysis, and face capture
- Showing large picture of face retrieval, license plate retrieval, and behavior analysis and the pictures can be exported for local storage

### Network

- Encoding devices, decoding devices, Hik-Connect devices, access control devices, security control panels, video intercom devices, storage servers, stream media servers connectable
- Checking device's online users
- NTP protocol for time synchronization
- Searching the active online devices
- Adding devices by Hik-Connect domain which have been added to the Hik-Connect account
- Adding devices by HiDDNS and IP Server; batch importing devices
- Generating QR code for encoding devices to add to the mobile client
- Two-way audio and broadcast function

### Backup

- Downloading video files to PC
- Log search and backup
- Importing and exporting the configuration file
- Auto backing up database according to the configured schedule

## General

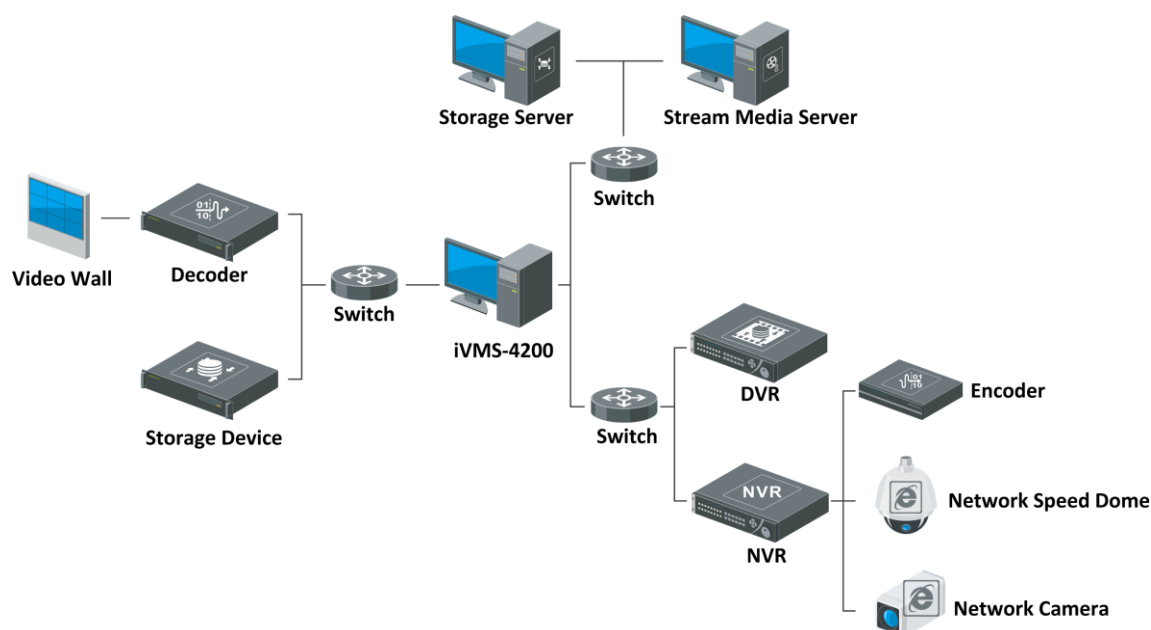
- Applied in local area network and wide area network
- H.264, H.264+, H.265, and H.265+ video encoding formats
- E-map function
- Remote configuration for added devices
- User permission management
- Creating a password to activate the device. For device which supports Hik-Connect, enabling Hik-Connect service when activating it.
- Resetting device password
- Hardware decoding for live view and playback
- Linkage between video surveillance and non-video surveillance (access control, video intercom, and security control panel)

## PTZ Control

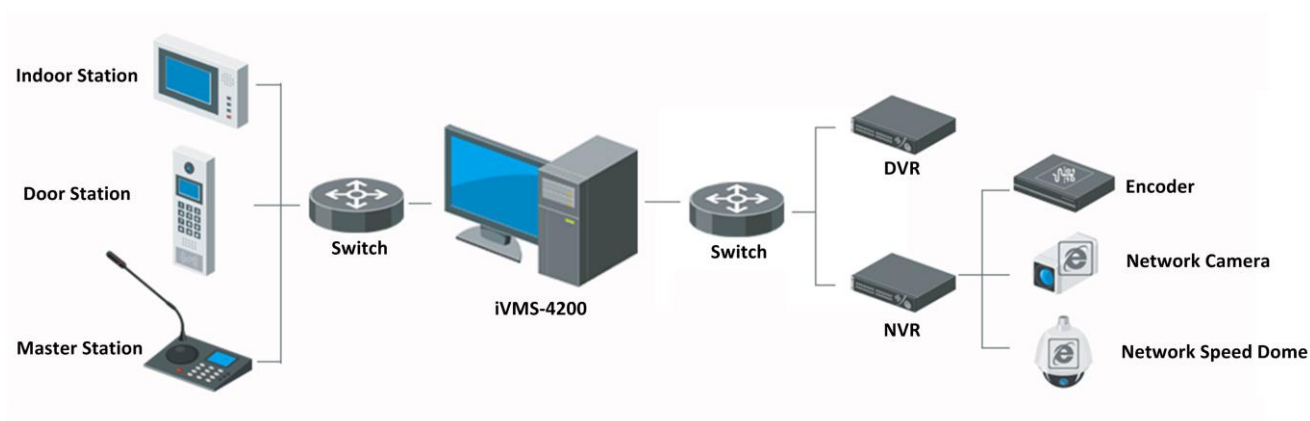
- Remote PTZ control, preset, patrol, and pattern settings
- 3D positioning, auxiliary focus, and wiper function
- Displaying analog speed dome's local menu via PTZ control panel
- PTZ control of one-touch patrol and one-touch park

## Typical Application

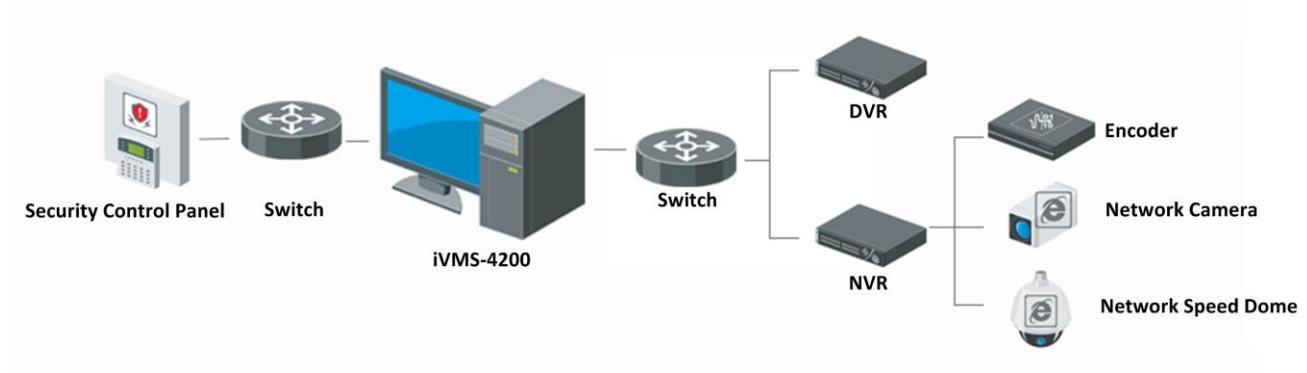
### Application for Video Surveillance



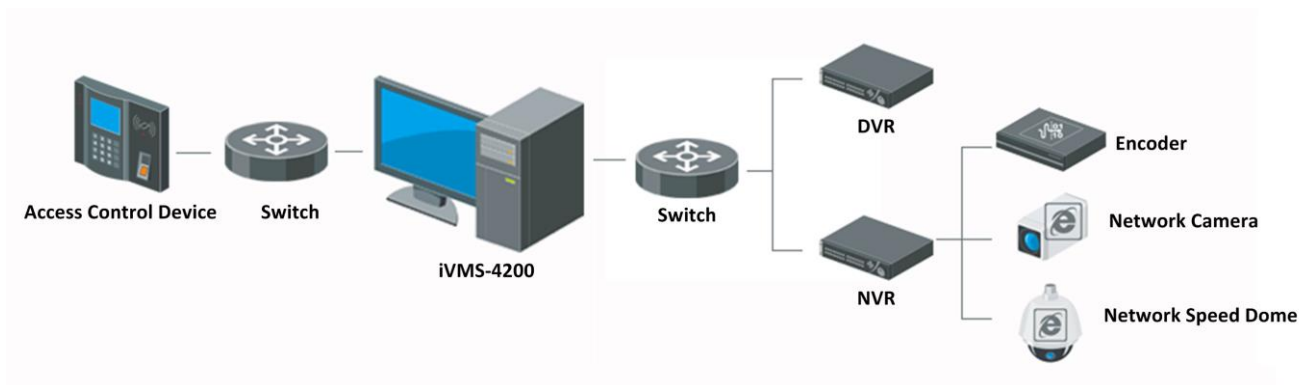
### Application for Video Intercom



## Application for Security Control Panel



## Application for Access Control



## System Requirements

### Client Requirements

|                  |                  |                                   |
|------------------|------------------|-----------------------------------|
| Recommended      | Processor        | Intel® Xeon® E3-1226 V3 @ 3.30GHz |
|                  | Memory           | 8 GB of RAM                       |
|                  | Operating System | Microsoft® Windows 7 (64-bit)     |
|                  | Video Card       | Intel® HD Graphics P4600          |
| High Performance | Processor        | Intel® Core™ i7-6700K @ 4GHz      |
|                  | Memory           | 16 GB of RAM                      |
|                  | Operating System | Microsoft® Windows 7 (64-bit)     |
|                  | Video Card       | NVIDIA GeForce GTX1070            |

### Maximum Number of Cameras Viewed per Client under Different System Requirements (Software Decoding)

| Encoding Format | Resolution | Bit Rate (Mbps) | Frame Rate (fps) | Maximum Number of Cameras Viewed Simultaneously |                  |
|-----------------|------------|-----------------|------------------|-------------------------------------------------|------------------|
|                 |            |                 |                  | Recommended                                     | High Performance |
| H.264           | 1080p      | 6               | 30               | 7                                               | 13               |
|                 | 8 MP       | 16              | 30               | 2                                               | 4                |
| H.264+          | 720p       | 1               | 30               | 19                                              | 32               |
|                 | 1080p      | 3               | 30               | 8                                               | 15               |
|                 | 3 MP       | 4               | 30               | 5                                               | 12               |

|        |       |     |    |    |    |
|--------|-------|-----|----|----|----|
| H.265  | 720p  | 1   | 30 | 12 | 28 |
|        | 1080p | 3   | 30 | 5  | 11 |
|        | 3 MP  | 4   | 30 | 3  | 8  |
| H.265+ | 720p  | 0.5 | 30 | 14 | 30 |
|        | 1080p | 1   | 30 | 6  | 11 |
|        | 3 MP  | 2   | 30 | 4  | 9  |

#### Maximum Number of Cameras Viewed per Client under Different System Requirements (Hardware Decoding)

| Encoding Format | Resolution | Bit Rate (Mbps) | Frame Rate (fps) | Maximum Number of Cameras Viewed Simultaneously |                  |
|-----------------|------------|-----------------|------------------|-------------------------------------------------|------------------|
|                 |            |                 |                  | Recommended                                     | High Performance |
| H.264           | 1080p      | 6               | 30               | 25                                              | 25               |
|                 | 8 MP       | 16              | 30               | 6                                               | 6                |
| H.264+          | 720p       | 1               | 30               | 45                                              | 45               |
|                 | 1080p      | 3               | 30               | 24                                              | 23               |
|                 | 3 MP       | 4               | 30               | 19                                              | 17               |
| H.265           | 720p       | 1               | 30               | N/A                                             | 45               |
|                 | 1080p      | 3               | 30               | N/A                                             | 23               |
|                 | 3 MP       | 4               | 30               | N/A                                             | 15               |
| H.265+          | 720p       | 0.5             | 30               | N/A                                             | 45               |
|                 | 1080p      | 1               | 30               | N/A                                             | 22               |
|                 | 3 MP       | 2               | 30               | N/A                                             | 15               |

#### Notes:

- For the field of N/A, the video card under the recommended system requirement does not support H.265 or H.265+.
- The above parameters are estimated and for reference only. Under the same resolution and frame rate, the bitrate of different camera manufacturers may be different. Moreover, the decoding performance may also be different for different manufacturers.

#### Server Requirements (Storage Server and Stream Media Server)

|             |                  |                                               |
|-------------|------------------|-----------------------------------------------|
| Minimum     | Processor        | Intel® Core™ 2 Duo E6850 3.0 GHz              |
|             | Memory           | 4 GB of RAM                                   |
|             | HDD              | 80 GB Hard Drive                              |
|             | NIC              | 100/1000 Mbps Ethernet Network Interface Card |
|             | Video Card       | Standard SVGA Video Card                      |
| Recommended | Processor        | Quad Core Intel® Xeon® E5640 2.66 GHz         |
|             | Memory           | 16 GB of RAM                                  |
|             | Operating System | 64-bit Operating System                       |
|             | HDD              | 80 GB SATA II Hard Drive                      |
|             | NIC              | GbE Network Interface Card                    |
|             | Video Card       | Standard SVGA Video Card                      |

## Specifications

| Model               |                        |                               | iVMS-4200                                                                                          |
|---------------------|------------------------|-------------------------------|----------------------------------------------------------------------------------------------------|
| Client              | General                | User                          | Support up to 50 users and one super user                                                          |
|                     |                        | E-map                         | Support up to 256 maps                                                                             |
|                     |                        | Encoding Device               | Support up to 256 encoding devices                                                                 |
|                     |                        | Decoding Device               | Support up to 64 decoding devices                                                                  |
|                     |                        | Group                         | Support up to 256 groups<br>Support up to 256 channels for each group                              |
|                     |                        | Channel                       | Support up to 1024 channels for all groups                                                         |
|                     |                        | Storage Server                | Support up to 16 Storage Servers                                                                   |
|                     |                        | Stream Media Server           | Support up to 16 Stream Media Servers                                                              |
|                     | Video                  | Live View                     | Support up to 64-ch live view at a time                                                            |
|                     |                        | Auxiliary Screen Preview      | Support up to 4 auxiliary screens for live view                                                    |
|                     |                        | Playback                      | Support up to 16-ch playback at a time                                                             |
|                     |                        | Synchronous Playback          | Support up to 16-ch synchronous playback                                                           |
|                     |                        | Download                      | Support up to 16 downloading tasks at a time                                                       |
|                     | Access Control         | Person/Room                   | Support up to 10,000 persons/rooms<br>Support up to 5 cards for each person/room                   |
|                     |                        | Organization                  | Support up to 10 hierarchies                                                                       |
|                     |                        | Access Control Device         | Support up to 16 access control devices                                                            |
|                     |                        | Access Control Point          | Support up to 64 access control points                                                             |
|                     |                        | Door Station                  | Support up to 16 door stations                                                                     |
|                     |                        | Indoor Station/Master Station | Support up to 512 indoor stations or master stations                                               |
|                     |                        | Time and Attendance Data      | Retention period of attendance result: one year<br>Retention period of original data: three months |
|                     | Security Control Panel | Security Control Panel        | Support up to 256 security control panels                                                          |
|                     |                        | Zone                          | Support up to 2048 zones                                                                           |
| Storage Server      |                        | User                          | Support up to 32 users                                                                             |
|                     |                        | Recording Performance         | Support up to 64-ch × 2 Mbps at a time                                                             |
|                     |                        | VOD Performance               | Support up to 64-ch × 2 Mbps at a time                                                             |
|                     |                        | iVMS-4200 Client              | Support up to 128 iVMS-4200 clients connected to the Storage Server                                |
| Stream Media Server |                        | Incoming/Outgoing Stream      | Support up to 64-ch incoming video stream<br>Support up to 200-ch outgoing video stream            |