Modular & Villa Door Station Firmware

V2.2.3_200805 Release Note

(2020-08-12)

| Device Model | DS-KD8003-IME1、DS-KD8003-IME2 、DS-KV6103-PE1(B)、DS-KV6113-PE1(B)、DS- | | | | |
|-------------------|--|--|--|--|--|
| | KV6113-WPE1(B)、DS-KV8113-WME1(B)、DS-KV8213-WME1(B)、DS-KV8413-WME1(B) | | | | |
| Firmware Version | Villa Door Station: V2.2.3_Build200805 | | | | |
| Firmware version | Modular Door Station: V2.2.3_Build200805 | | | | |
| iVMS-4200 Version | 3.2.0.10 Build200727 | | | | |
| Hik-Connect APP | 4.6.2.0724 | | | | |

Note:

1. When the old version of the door station is upgraded to the new version of the firmware, the

device will be **Restore Automatically**. This is because new firmware's data structure is not compatible with old firmware. Please make a backup when you upgrade the device 2. When configuring the video intercom system, the **registration password** of the door station must be configured **first**, the registration password on the indoor station must be the same as the door station to register successfully

| HIKVISION | Live View Use | r Numbe | r Settings D | Device Management | Configuration | |
|----------------|-------------------------|--------------|--------------|-------------------|---------------|----------------------|
| 🖵 Local | Device ID Settings Sess | ion Settings | Time Parame | eters Ringbackton | e Settings F | Press Button to Call |
| 🖽 System 🛛 🗸 | | | | | | |
| Hetwork V | Register Number | 10010100000 | | | | |
| n Video/Audio | Registration Password | | | | | |
| 🖾 Image | Master Station IP | 0.0.0.0 | | | | |
| 🖹 Event 🗸 🗸 | VideoIntercom Server IP | 0.0.0.0 | | | | |
| 📋 Schedule 🛛 🗸 | Enable Protocol 1.0 | | | | | |
| 📮 Intercom | | Save | | | | |
| Access Control | | Save | | | | |

3. It is forbidden to upgrade the villa door station without (B) model, it will cause the device voice issue.

New Function

1. Modular & Villa Door Station support 19 languages: English, French, Portuguese (Brazil), Spanish, Russian, German, Italian, Polish, Arabic, Turkish, Vietnamese, Hungarian, Dutch, Romanian, Czech, Bulgarian, Ukrainian, Croatian, Serbian

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| 🔄 Co | onfiguration | | | | |
|----------|-----------------|------------------------------------|----------------------------------|---------------|--------|
| | | Number Settings De | vice Management | Configuration | |
| Ģ | Local | Basic Information Time | Settings DST | About | |
| | System ^ | | | | |
| | System Settings | Device Name | OUTDOOR STATION | N | |
| | Maintenance | Device No. | 88 | | |
| | Security | Language | English French Portuguese | | |
| | User Management | System Type | Spanish Russian | | |
| Ð | Network 🗸 | Model | German Italian Polish | | |
| © | Video/Audio | Serial No. | Arabic Turkish | | |
| | Image | Firmware Version | Vietnamese Hungarian Dutch | | |
| Ē | Event 🗸 | Encoding Version | Romanian Czech Bulgarian | | |
| | Schedule 🗸 🗸 | Web Version | Ukrainian Croatian | | |
| Ģ | Intercom | Plugin Version | Serbian | | |
| | Access Control | Number of Channels | 1 | | |
| | | Number of Alarm Input | 4 | | |
| | | Number of Alarm Output Capacity | 2 | | |
| | | User | | | 0/2000 |
| | | | | | |
| | | | Save | | |

- 2. Support 16 sub-door station
- 3. The public password rules have been updated
- a. Public passwords: up to 16 with 4 to 6 digits each, only supporting numbers

b. Unlock method "#public password#" (Only Modular Door Station with Keypad module support this function)

| Configuration | | | | | |
|----------------|---|-------------------|---|-----------------------|----------------------------|
| | | Number Settings | Device Managem | ent Configurat | ion |
| 🖵 Local | | Password Settings | Door Parameters | Card Security | Elevator Control Parameter |
| 🖽 System | ~ | | | | _ |
| Metwork | ~ | Password | Type Public Passwo Public Passwo Public Passwo | ord2 | |
| 🗗 Video/Audio | | | Public Passwo Public Passwo | ord5 | |
| 🖾 Image | | Co | nfirm Public Passwo Public Passwo Public Passwo | ord7 ord8 | |
| 🖹 Event | ~ | | Public Passwo Public Passwo Public Passwo | ord10 | |
| Schedule | ~ | | Public Passwo Public Passwo | ord12 ord13 | |
| 📮 Intercom | | | Public Passwo Public Passwo Public Passwo | ord15 | |
| Access Control | | | Fublic Passwo | 51010 | |
| | | | | | |

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4. Support new style WEB (Modular Door Station does not support WEB, it can be opened only through iVMS-4200)
a. Browser type: 1. Support IE, Chrome 2. Not support mobile browser
b. Plug-ins:
The browser only supports 32-bit version
IE browser: IE11 and above
Google Chrome (v31~v44)
c. No plug-in:
Google v45 and above
Firefox v52 and above

5. The door station supports screen cutting on the WEB

a. After cutting, the calling indoor station only displays the specified screen, and the screen supports restoration;



6. Door Station supports ONVIF Profile S protocol

- a. Onvif device service related functions: http://device IP address/onvif/device_service
- b. Onvif streaming media related functions: http://device IP address/onvif/Media
- c. Onvif image parameter related functions: http://device IP address/onvif/Imaging

7. DS-KV6103-PE1(B), DS-KV6113-PE1(B), DS-KV6113-WPE1(B), DS-KV8113-WME1(B) support direct addition into Hik-Connect.

a. The user can configure the device's summer time switch, school time, and global time zone selection through Hik-Connect

b. The user can adjust the input volume, output volume and intercom volume of the device through Hik-Connect

c. The users can choose to turn on or off the upload of alarm information through Hik-Connect

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8 Convenient configuration of multi-unit scenarios;

a. Support the remote export/import of files (Excel) from the WEB, and automatically activate the indoor station through the door station and configure the basic information of the indoor station. For

| IIK VISION | Live View User | Number Settings De | evice Management Configurat | ion | | | | | 🚨 admin 🕕 Help 🚺 |
|---|--|--|---|--|--|--------------------------------------|-------------------|--|----------------------|
| Device List | | | | | | | | | |
| + Add 🕼 Import 🗋 | Export 📋 Delete 💭 Synchr | onize | | | | | Status All | Device Type | ndoor Station |
| □ No. | IP Address | Serial No. | Model C | urrent Version Fl | or No. | Room No. | User Name | Network Status | Operation |
| 1 | 10.9.96.183 | Q01570170 | 4 | 1 | | 1 | admin | 🔮 Online | 60 8 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| A | В | C | D | E | | F | G | н | I |
| A The indoor sta | в ation list on the pa | c ge is used for dat | D ta import, so all fiel | _ | The grey cell | F represents | G an example. | Н | I |
| | в ation list on the pa el by following rule | 0 | | _ | The grey cell | F represents | G an example. | Н | I |
| Fill in the exce 1.Device Type | el by following rule Indoor Station | es below. | ta import, so all fiel | _ | The grey cell | F represents | G an example. | Н | I |
| Fill in the exco 1.Device Type 2.Serial No.: 9 | el by following rule : Indoor Station 9-digit serial No. on | s below. In the tag of the de | ta import, so all fiel evice | ds are required. | 0,1 | | · | | I |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati | el by following rule : Indoor Station)-digit serial No. on on Admin Passwor | s below. In the tag of the da d: Valid passwor | ta import, so all fiel evice rd range [8-16]. You | ds are required. | 0,1 | | · | | ı racter for your |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit | el by following rule : Indoor Station 0-digit serial No. on on Admin Passwor h at least two kind: | s below. the tag of the d d: Valid passwor s of them contain | ta import, so all fiel evice rd range [8-16]. You ned. | ds are required. can use a comb | ination of nu | mbers, low | ercase, uppercase | e and special cha | |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration | el by following rule : Indoor Station 0-digit serial No. on on Admin Passwor n at least two kind code:Registration | the tag of the d the tag of the d d: Valid passwor s of them contain code: For adding | ta import, so all fiel evice rd range [8-16]. You ned. g the device to the i | ds are required. can use a comb nain door static | ination of nu n. Valid pass | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration | el by following rule : Indoor Station 0-digit serial No. on on Admin Passwor n at least two kind code:Registration | the tag of the d the tag of the d d: Valid passwor s of them contain code: For adding | ta import, so all fiel evice rd range [8-16]. You ned. | ds are required. can use a comb nain door static | ination of nu n. Valid pass | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration lowercase, up | el by following rule : Indoor Station 0-digit serial No. on on Admin Passwor n at least two kind code:Registration | the tag of the d the tag of the d d: Valid passwor s of them contain code: For adding | ta import, so all fiel evice rd range [8-16]. You ned. g the device to the i | ds are required. can use a comb nain door static | ination of nu n. Valid pass | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exce 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration lowercase, up 5.Floor No. Ra | el by following rule : Indoor Station D-digit serial No. on on Admin Passwor h at least two kind code:Registration percase and specia | the tag of the d the tag of the d d: Valid passwor s of them contain code: For adding | ta import, so all fiel evice rd range [8-16]. You ned. g the device to the i | ds are required. can use a comb nain door static | ination of nu n. Valid pass | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exc 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration lowercase, up 5.Floor No. R 6.Room No. R | el by following rule : Indoor Station - digit serial No. on on Admin Passwor h at least two kinds code:Registration percase and specia ange: 1 to 999 | is below. In the tag of the di rd: Valid passwor s of them contain code: For adding al character for ye | ta import, so all fiel evice rd range [8-16]. You ned. g the device to the i | ds are required. can use a comb nain door static | ination of nu n. Valid pass | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exc 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration lowercase, up 5.Floor No. R 6.Room No. R | el by following rule : Indoor Station)-digit serial No. or on Admin Passwor h at least two kind : code:Registration percase and specia ange: 1 to 999 ange: 1 to 999 | is below. In the tag of the di rd: Valid passwor s of them contain code: For adding al character for ye | ta import, so all fiel evice rd range [8-16]. You ned. g the device to the i | ds are required. can use a comb nain door static at least two kinc | ination of nu n. Valid pass s of them co | mbers, low word range | ercase, uppercase | e and special cha | |
| Fill in the exci 1.Device Type 2.Serial No.: 9 3.Indoor Stati password witi 4.Registration lowercase, up 5.Floor No. R 6.Room No. R 7.IP Address/I | el by following rule : Indoor Station -digit serial No. on on Admin Passwor h at least two kind: code:Registration percase and specia ange: 1 to 999 P Mask/Gateway: | s below. the tag of the d d: Valid passwor s of them contain code: For adding al character for y Supports IPv4 | ta import, so all fiel evice (d range [8-16]. You ned. g the device to the i our password with | ds are required. can use a comb main door static at least two kinc Indoor Statio | n. Valid pass s of them co | mbers, low word range ntained. | ercase, uppercase | e and special cha use a combinatio | n of numbers, |
| Fill in the exc 1.Device Type 2.Serial No.: 9 3.Indoor Stati password wit 4.Registration lowercase, up 5.Floor No. R 6.Room No. R | el by following rule : Indoor Station -digit serial No. on on Admin Passwor h at least two kind: code:Registration percase and specia ange: 1 to 999 P Mask/Gateway: Serial No. | is below. In the tag of the di rd: Valid passwor s of them contain code: For adding al character for ye | ta import, so all fiel evice 'd range [8-16]. You ned. g the device to the i our password with | ds are required. can use a comb main door static at least two kinc Indoor Statio | n. Valid pass s of them co | mbers, low word range | ercase, uppercase | e and special cha use a combinatio IP Mask | |

b. Support remote management of indoor station on the WEB, and support separate addition and deletion of indoor station;

c. Support remote modification of the user password/network information/number of the indoor station on the WEB. The registered indoor station information will be overwritten after modification.

| HIK | VIS | | | | | Device Manag | ement | | |
|-----|-----|------------------------|------------|--------------|--------|--------------|------------|-------|----------|
| | Dev | ice List | | | | | | | |
| + | Add | C Import C Export | 🗊 Delete 📿 | Synchielwize | All | Device Type | Indoor Sta | ation | ~ |
| | | Configuration | | | | | | | peration |
| | 2 1 | Basic Information | Device | Type | | | | | 2 🐼 🛍 |
| | | 🛅 Maintenance | | r No. 1 | | | | | |
| | | t Device ID Settings | Roos | n No. 1 | | | | | |
| | | Metwork Settings | | | | | | | |
| | | Communication Settings | | | | | | | |
| | | o o namen o o compo | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | Save | Cancel | | | | |



9. Support Call Schedule configuration;

a. Call weekly plan, holiday plan support configuration: 1. Time period 2. Button call object of each time period: indoor station or iVMS-4200 (Master Station)

| HIKVISION | Live View User Number Settings Device Management Configuration |
|----------------|---|
| 🖵 Local | Call Schedule |
| 🗄 System 🗸 🗸 | Template Configuration |
| Detwork V | Enable Indoor Station All Day by Default |
| t Video/Audio | TemplatePlan1 Schedule Name TemplatePlan1 |
| 🖾 Image | |
| 🖹 Event 🗸 🗸 | Call Type Indoor Station |
| 📋 Schedule 🛛 🔨 | Time Settings Weekly Schedule Holiday Schedule |
| Video Intercom | Time Settings Weekly Schedule Holiday Schedule |
| Intercom | × Delete 🖉 Delete All |
| Access Control | 0 2 4 6 9 10 12 14 16 10 22 24 0 2 4 6 9 10 12 14 16 10 22 24 0 2 4 6 9 10 12 14 16 10 22 24 0 2 4 6 9 10 12 14 16 10 20 22 24 Wednu 0 2 4 6 9 10 12 14 16 10 20 22 24 Wednu 0 2 4 6 9 10 12 14 16 10 20 22 24 Friday 0 2 4 6 9 10 12 14 16 10 20 22 24 Sature 0 2 4 6 9 10 12 14 16 10 20 22 24 24 |

b. Support 1 holiday group and 16 holiday plans

| HIKVISION | | mber Settings Device Management Configuration |
|----------------|--|---|
| 🖵 Local | Call Schedule | |
| 🖿 System | Template | Configuration |
| Network | Enable Indoor Station All Day by Default | |
| 🗂 Video/Audio | TemplatePlan1 | Schedule Name TemplatePlan1 |
| 🖾 Image | | Add Holiday Schedule |
| 🖹 Event | | |
| Schedule | | |
| Video Intercom | | Start Time 2020-08-12 |
| 🖵 Intercom | | End Time 2020-08-12 |
| Access Control | | Call Type Indoor Station Center |
| | | × Delete |
| | | OK Cancel |

c. The call logic priority of the Call Schedule is the highest;

- 10. The door station supports ring back tone
- a. File format: only supports WAV, no more than 600KB

b. Quantity: Only support one ring back tone import, if it has been already uploaded, the newly uploaded ring back tone will overwrite the old ringtone

c. Channel: support mono



| HIKVISION | | Live View | User Numb | er Settings Device | Management Configurat | tion | | |
|------------------|---|--------------------|------------------|--------------------|-----------------------|----------------------|------|-------|
| 📮 Local | | Device ID Settings | Session Settings | Time Parameters | Ringbacktone Settings | Press Button to Call | | |
| 🖽 System | | + Add | | | | | | |
| | | No. | | Name | | Format | | File |
| 🗂 Video/Audio | | | | | | | | |
| 🖾 Image | | | | | | | | |
| 🛱 Event | | | | | | | | |
| Schedule | ~ | | | | | | | |
| Intercom | | | | | Ringtone Import | | | × |
| 🔒 Access Control | | | | | | | | |
| | | | | | Name | | | |
| | | | | | Ringtone Import | | Brow | se |
| | | | | | | | ОК С | ancel |

11. The Outer Door Station call rule changed (Only Modular Door Station support this function)a. Three combinations of calling the Period 1, Building 2, Unit 3 and Room 1:1#2#3#0001#

2#3#0001# 2#0001#

12. External card reader controls lock 1 or lock 2 respectively

a. The door station can open different locks through the external card reader (or card reader module KD-M, KD-E) different DIP Switch dial codes. When the dial code is not 2, open lock 1, and when the dial code is 2, open lock 2.

b. The local card reader of the door station only opens the lock 1 by default

Function optimization

1. The door station supports key hang up; because the user will use the device as a doorbell and keep pressing, so the default call can be hang up after 5s after a successful call;

After swiping an invalid card or entering an invalid password to try to open the door, the event record is uploaded to 4200;

2. The default position of the OSD is adjusted to the lower right corner. When performing intercom with the master station and indoor station, the default OSD will not block the existing key information;



| MIKVISION | | | | | Configuration | | |
|----------------|------------------|-----|------------------|----------------|---------------|------------|---|
| 🖵 Local | Display Settings | OSD | Crop | | | | |
| 🖽 System | ~ | | | | | | |
| Network | ~ | | | 1000 | Display Name | | |
| Uideo/Audio | | | | | Display Date | | |
| 🖾 Image | | | | | Display Week | | |
| 🖹 Event 🕚 | ~ | | | | Camera Name | | |
| 🗄 Schedule | ~ | | | | Time Format | 24-hour | × |
| Intercom | | | | | Date Format | MM-DD-YYYY | V |
| Access Control | | | 1 1 (X-12 | 202 kalaterasi | | | |
| | | | | | | | |

3. The user can remotely open the device SSH function through the WEB;

| HIKVISION | Live View | User | Number Settings | Device Management | Configuration |
|-----------------|------------------|-----------|-----------------|-------------------|---------------|
| 🖵 Local | Security Service | | | | |
| 🖽 System 🛛 🔿 | | | | | |
| System Settings | Ena | ble SSH 🔵 | | | |
| Maintenance | | | Save | | |
| Security | | | JUVC | | |
| User Management | | | | | |

4. Support to actively unbind Hik-Connect account through WEB configuration

| HIKVISION | Live View Us | er Number | r Settings | Device Managemen | Configuration |
|-----------------|-----------------------|--------------|-------------|-----------------------------|--|
| 🖵 Local | Upgrade & Maintenance | | | | |
| 🖻 System 🛛 🔿 | | | | | |
| System Settings | Reboot | | | | |
| Maintenance | | Reboot | Reboot th | ne device. | |
| Security | Restore Parameters | | | | |
| User Management | | Default | Reset all t | the parameters, except the | IP parameters and user information, to the default settings. |
| Detwork V | | Restore All | Restore a | ll parameters to default se | ttings. |
| t⊡ Video/Audio | | Unbound Acco | unt Unbo | ound EZVIZ Account | |

5. Lock 2 does not need to be configured, only open or close. If you want to use a security module, enable lock 2, and the device will automatically recognize it after the security module is connected. After confirming that the security module is correctly connected, lock 2 is actually the lock on the security module.



| HIKVISION | | Live View | | Number Settings | Device Ma | nagement | Configurat | ion | |
|----------------|---|--------------------|---------------|-----------------------------|------------|--------------|------------|----------------------|--------------|
| 🖵 Local | | Device ID Settings | Session Set | tings Time Par | ameters | Ringbacktone | e Settings | Press Button to Call | I/O Settings |
| 🖽 System | ~ | | | | | | | | |
| Metwork | ~ | | I/O Input No. | Input1 | [| ~ | | | |
| 🗗 Video/Audio | | | Input | Door Status | | ~ | | | |
| 🗔 Image | | I/ | O Output No. | Output2 | | ~ | | | |
| 🖹 Event | ~ | | Output | Disable Electric Lock en | alala Laak | | | | |
| Schedule | ~ | | | en | | 2 | | | |
| 📮 Intercom | | | | Save | | | | | |
| Access Control | | | | | | | | | |