HIKVISION

How to Activate Device

Quick Guide

(How to activate HIKVISION IPC/DVR/NVR with a strong password)

HIKVISION SUPPORT TEAM

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LEGAL DISCLAIMER

Contents

Background Introduction

HIKVISION's newly manufactured devices (i.e., IP cameras (IPC), PTZ cameras, digital video recorders (DVR), and network video recorders (NVR)) with the latest firmware (IPC and PTZ from V5.3.0, DVR/NVR from V3.3.0) no longer have a default password. When using the device for the first time, users need to activate the device through a compulsory password setting. The password level must be stronger than "risk" (password rules and levels will be introduced in the appendix).

NOTES:
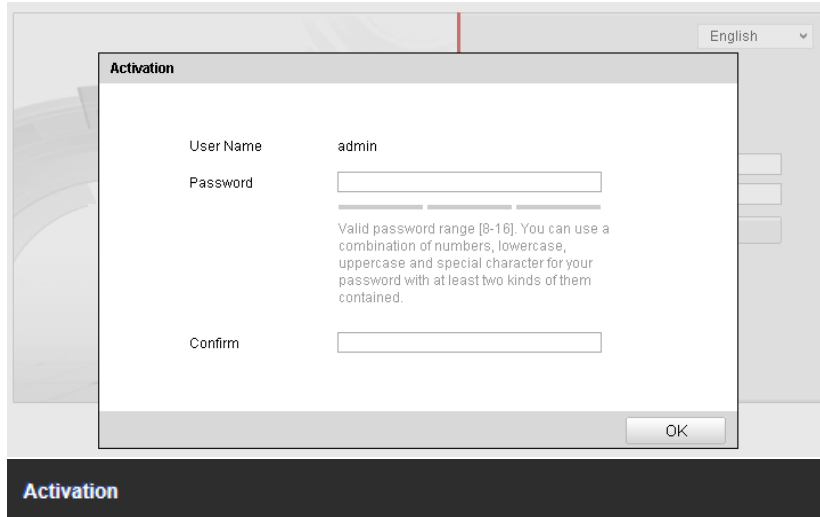
1. If the device with old firmware uses "risk" password, the old user name/password is still valid and the device is still active after upgrading to V5.3.0. However, it will remind users that this is a "risk" password;

2. If the device is reset to default, it will reboot to inactive state.

Activation Methods

Using Web Browser:

Front-end device such as cameras (from V5.3.0) and back-end device such as NVRs and DVRs (from V3.3.0) can be activated by Internet Explorer (IE) Web browser. Before logging into the device, users need to set a login password and click [**OK**] to proceed.

IE Activation Interface
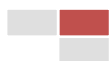
Using SADP Software:

Users can activate devices with the new firmware by using SADP tool. For this procedure users will need version V2.2.3.6 (SADP) or above.
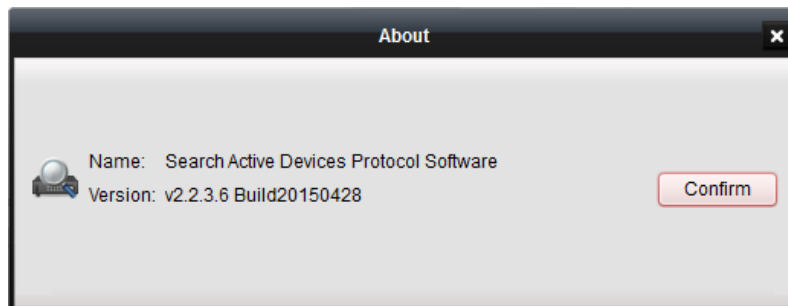
SADP Tool Version

The next steps are the correct procedure to successfully activate devices via SADP software:
- Select the device you want to activate from the "Online Devices" list;
- Set the New Password at the "Device Activation" field;
- Confirm the New Password;
- Click [**OK**] to apply.
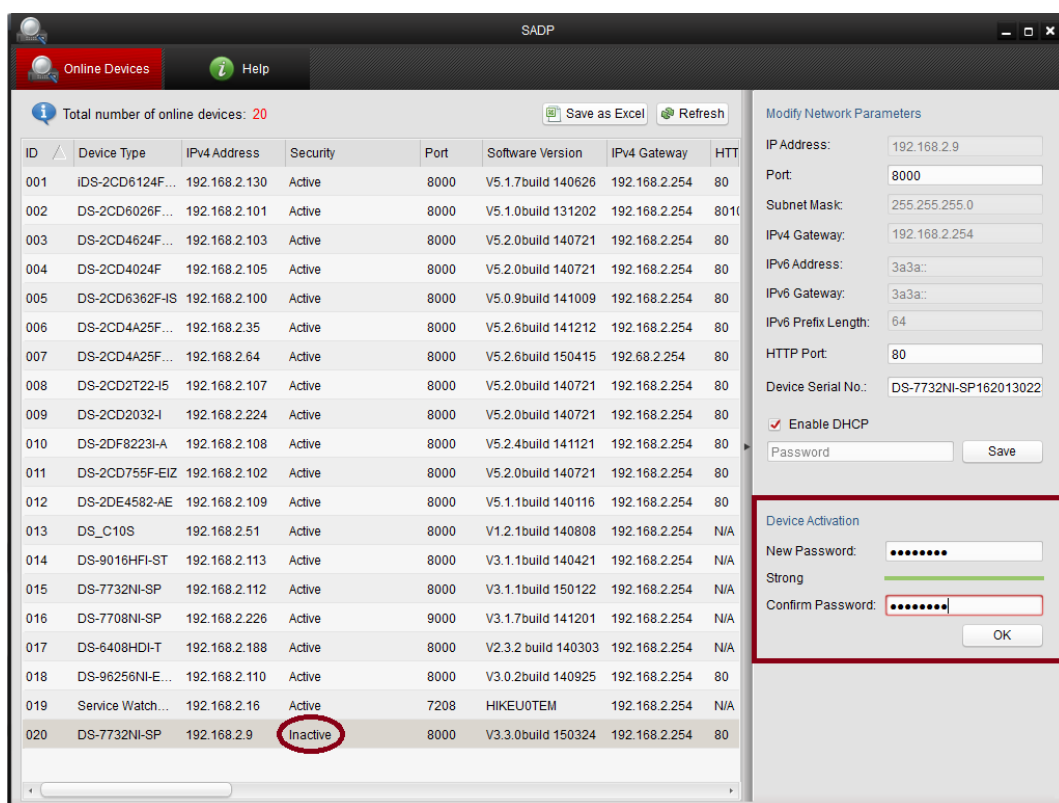
SADP Activation Interface

Using iVMS-4200 Software:

Users can activate devices with the new firmware by using iVMS-4200 Software as well. For this procedure users will need version V2.3.1.3 (iVMS-4200) or above.

iVMS-4200 Software Version
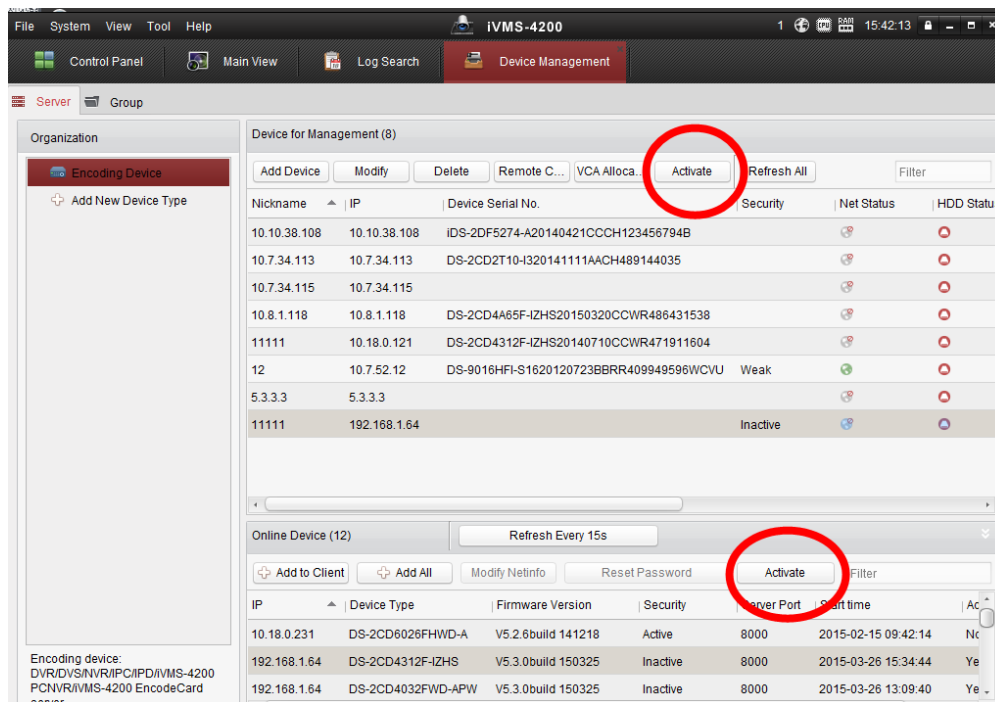
iVMS-4200 Activation Interface

Front-End Device Activation by Back-End Device

A back-end device (from V3.3.0) can activate a front-end device, only if the back-end device has already been activated.
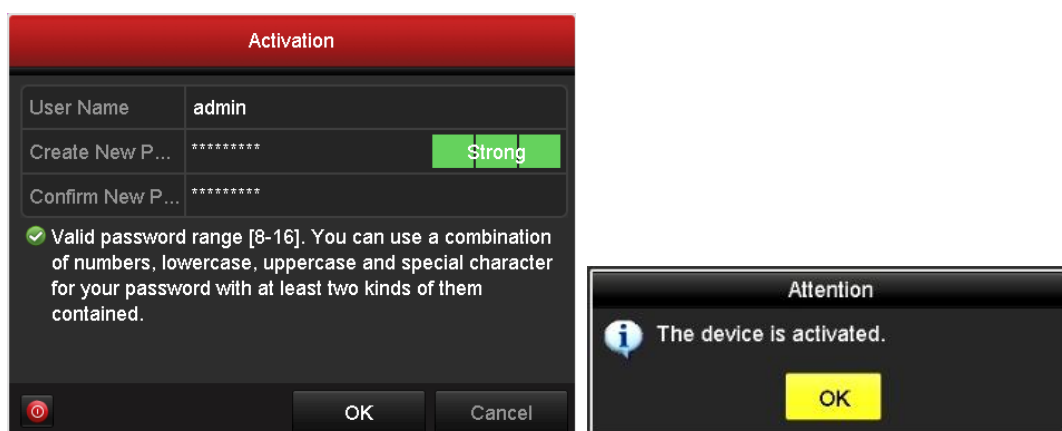
Back-End Device Local Activation Interface

Users can use back-end device (from V3.3.0) to activate front-end device (from V5.3.0). There are four methods:

- *One-touch adding*: In the back-end device interface, users can use "*One-touch adding*" to add all front-end devices on the LAN. At the same time, the devices will be automatically activated with the back-end device password;
- *One-touch activation*: In back-end device interface, users can activate all front-end devices in LAN with the self-defined passwords or back-end device password;
- *Manual addition '⊕'*: Add one front-end device manually with the back-end device password;
- *Plug & Play*: Connect a front-end device to a back-end device's PoE interface with the back-end device password.

NOTES:

1. **The front-end device upgraded from old firmware (login with admin/12345) supports Plug & Play normally;**

2. **Before connecting to a back-end device with old firmware, the inactive front-end device needs to be activated first;**

3. **The PoE port of back-end device with old firmware cannot recognize the front-end device with new firmware. The NVR needs to be upgraded.**

Appendix

Third-Party Connection

Third-Party Front-End Device Connect to HIKVISION Back-End Device:

HIKVISION back-end device needs to be activated before connecting to third-party front-end devices.

HIKVISION Front-End Device Connect to Third-Party Back-End Device:

HIKVISION front-end devices need to be activated before connecting to third-party back-end devices.

Third-Party VMS Platform:

HIKVISION device needs to be activated before connection. We can provide an SDK interface and ISAPI protocol for integration.

Password Rules

Password Level Judgment

There are four kinds of characters that can be used for password: numbers/uppercase letters/lowercase letters/ special characters:

- Level 0 (risk): Password length is fewer than eight characters; password contains one kind of character; password is the same as user name; password is the mirror writing of user name. (Example: 12345, abcdefgh)

- Level 1 (weak): Password contains two kinds of characters. The combination is number + lowercase letter or number + uppercase letter, and the password length must be no fewer than eight characters. (Example: 12345abc, 12345ABC)

- Level 2 (medium): Password contains two kinds of characters. The combination is NEITHER number + lowercase letter NOR number + uppercase letter, and the password length must be no less than eight characters. (Example: 1234567+, abcdefg/, GFEDCBA), ABCDEFGh,)

- Level 3 (strong): Password contains more than two kinds of characters and the password length must be no less than eight characters. (Example: 1234abc+)

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NOTE: Password level should be higher than 0. Using "risk" level password is forbidden.

Lockout Rules

Login Attempts:

Admin Account:　　　　　7 password input attempts are allowed

Other Account:　　　　　5 password input attempts are allowed

After login error attempts reach the limitation, the device will lock the current IP or account;
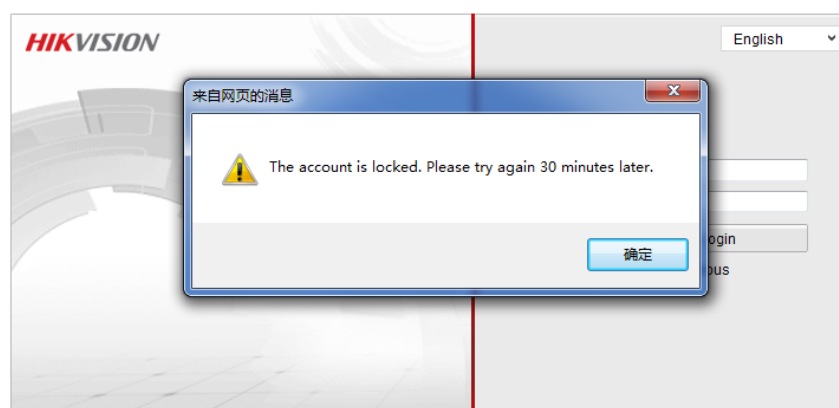
Device Lockout Duration:

Remote login: 30 minutes (the client's IP will be locked)

Local login: 1 minutes (the account will be locked);

NOTES:

1. **Users who have already logged in will not be locked out;**

2. **Admin account can unlock the other accounts by SDK**

IE Lockout Interface

Supported Product List

This login strategy was firstly carried out on HIKVISION IPC V5.3.0 firmware and DVR/NVR V3.3.0 firmware, released in March, 2015. Other product lines will be updated gradually. Supported products are listed below:

Supported SADP
Version: v2.2.3.6 Build20150428 (or above)

Supported iVMS-4200
Version: v2.3.1.3 Build20150416 (or above)

Supported IPC (2XX2 series)
DS-2CD2012-I, DS-2CD2022-I, DS-2CD2032-I, DS-2CD2012F-I(W), DS-2CD2022F-I(W), DS-2CD2032F-I(W), DS-2CD2112F-I(S)(W), DS-2CD2122F-I(S)(W), DS-2CD2132F-I(S)(W), DS-2CD2312-I, DS-2CD2332-I, DS-2CD2412F-I(W), DS-2CD2432F-I(W), DS-2CD2512F-I(S), DS-2CD2532F-I(S), DS-2CD2612F-I(S), DS-2CD2622F-I(S), DS-2CD2632F-I(S), DS-2CD2712F-I(S), DS-2CD2722F-I(S), DS-2CD2732F-I(S), DS-2CD2T12-I3/I5/I8, DS-2CD2T22-I3/I5/I8, DS-2CD2T32-I3/I5/I8

Supported IPC (XXX0 series)
DS-2CD2010-I, DS-2CD2010F-I(W), DS-2CD2020-I, DS-2CD2020F-I(W), DS-2CD2110F-I(W)(S), DS-2CD2120F-I(W)(S), DS-2CD2410F-I(W), DS-2CD2420F-I(W), DS-2CD2510F, DS-2CD2520F, DS-2CD2610F-I(S), DS-2CD2620F-I(S), DS-2CD2710F-I(S), DS-2CD2720F-I(S), DS-2CD2810F, DS-2CD2820F, DS-2CD2T10-I3/I5/I8, DS-2CD2T20-I3/I5/I8, DS-2CD2Q10FD-IW, DS-2CD2D14WD, DS-2CD2C10F-IW, DS-2CD6510-I(O)

Supported IPC (4XX2, 4XX4 series)
DS-2CD4012F-(A)(P), DS-2CD4012FWD-(A)(P), DS-2CD4024F-(A)(P), DS-2CD4032FWD-(A)(P), DS-2CD4112F-I(Z), DS-2CD4112FWD-I(Z), DS-2CD4124F-I(Z), DS-2CD4132FWD-I(Z), DS-2CD4212F-I(Z)(S)(H), DS-2CD4212FWD-I(Z)(S)(H), DS-2CD4224F-I(Z)(S)(H), DS-2CD4232FWD-I(Z)(S)(H), DS-2CD4312F-I(Z)(S)(H), DS-2CD4312FWD-I(Z)(S)(H), DS-2CD4312F-PTZ, DS-2CD4324F-I(Z)(S)(H), DS-2CD4324F-PTZ, DS-2CD4332FWD-I(Z)(S)(H), DS-2CD4332FWD-PTZ, DS-2CD6412FWD

Supported IPC (XX26, XX24FWD series)
DS-2CD4026FWD-(A)(P), DS-2CD4126FWD-IZ, DS-2CD4526FWD-IZ(H), DS-2CD4626FWD-IZ(H), DS-2CD4A26FWD-IZ(H)(S), DS-2CD6026FHWD-(A)(P), iDS-2CD6024FWD/(B/F), iDS-2CD6124FWD-IZ/(H/C/B/F), DS-2CD6226FWD-IZ(H)(S), DS-2CD6412FWD, iDS-2CD6412FWD/C

Supported IPC (4XX5 series)
DS-2CD4025FWD-(A)(P), DS-2CD4035F-(A)(P), DS-2CD4035FWD-(A)(P), DS-2CD4065F-(A)(P), DS-2CD4085F-(A)(P), DS-2CD40C5F-(A)(P), DS-2CD4125FWD-IZ, DS-2CD4135F-IZ, DS-2CD4135FWD-IZ, DS-2CD4165F-IZ, DS-2CD4185F-IZ, DS-2CD41C5F-IZ, DS-2CD4525FWD-IZ(H), DS-2CD4535F-IZ(H), DS-2CD4535FWD-IZ(H), DS-2CD4565F-IZ(H), DS-2CD4585F-IZ(H), DS-2CD45C5F-IZ(H), DS-2CD4625FWD-IZ(H)(S), DS-2CD4635F-IZ(H)(S), DS-2CD4635FWD-IZ(H)(S), DS-2CD4665F-IZ(H)(S), DS-2CD4685F-IZ(H)(S), DS-2CD46C5F-IZ(H)(S), DS-2CD4A25FWD-IZ(S), DS-2CD4A35F-IZ(S), DS-2CD4A35FWD-IZ(S), DS-2CD4A65F-IZ(S), DS-2CD4A85F-IZ(S), DS-2CD4AC5F-IZ(S)

Supported PTZ (Support all the previous released models. Here lists the latest released models)
DS-2DF5220S-DE4/W, DS-2DY9185-AI2N, DS-2DY9185-A, DS-2DY9185-AI2

Supported DVR/NVR (Netra and 7600HI-ST series)
DS-9204/08/16HWI-ST, DS-9104/08/16HFI-ST, DS-9104/08/16HWI-ST, DS-9104/08/16HFI-RT, DS-9116HFI-XT, DS-9004/08/16HFI-ST, DS-9004/08/16HWI-ST, DS-9004/08/16HFI-RT, DS-9016HFI-XT, DS-8104/08/16HFI-ST, DS-8104/08/16HWI-ST, DS-8004/08/16HFI-ST, DS-8004/08/16HWI-ST, DS-7208/16HWI-SV, DS-9608NI-ST, DS-9616NI-ST, DS-9632NI-ST, DS-9664NI-ST, DS-9608NI-RT, DS-9616NI-RT, DS-9632NI-RT, DS-9664NI-RT, DS-9616NI-XT, DS-9632NI-XT, DS-9664NI-XT, DS-8608NI-ST, DS-8616NI-ST, DS-8632NI-ST, DS-8664NI-ST, DS-7708NI-ST, DS-7716NI-ST, DS-7732NI-ST, DS-7764NI-ST, DS-7708NI-SP, DS-7716NI-SP, DS-7732NI-SP, DS-7608NI-ST, DS-7616NI-ST, DS-7632NI-ST, DS-7608NI-SP, DS-7616NI-SP, DS-7632NI-SP, DS-7600HI-ST

Supported NVR (-EX series)
DS-7604NI-E1, DS-7608NI-E1, DS-7616NI-E1, DS-7604NI-E1/4P, DS-7604NI-E1/4N, DS-7608NI-E2, DS-7616NI-E2, DS-7632NI-E2, DS-7608NI-E2/8P, DS-7616NI-E2/8P, DS-7616NI-E2/16P, DS-7632NI-E2/8P, DS-7632NI-E2/16P, DS-7608NI-E2/8N, DS-7616NI-E2/8N, DS-7632NI-E2/8N, DS-7616NI-E2/16N,   DS-7632NI-E2/16N, DS-7708NI-E4, DS-7716NI-E4, DS-7732NI-E4, DS-7708NI-E4/8P, DS-7716NI-E4/16P, DS-7732NI-E4/16P, DS-8608NI-E8, DS-8616NI-E8, DS-8632NI-E8, DS-8664NI-E8

Supported NVR (-SN series)
DS-7104/8/16NI-SN, DS-7104/8/16NI-SN/N, DS-7104/8/16NI-SN/P
DS-7604/8/16NI-SN, DS-7604/8/16NI-SN/N, DS-7604/8/16NI-SN/P

Supported NVR (-SE series)
DS-7604/08/16NI-SE, DS-7604/08/16NI-SE/N, DS-7604/08/16NI-SE/P
DS-7604/08/16NI-V, DS-7604/08/16NI-VP

Supported DVR (7100/7200/7300/8100SH series)
DS-7204/08/16HI-SL, DS-7204/08/16HI-E1, DS-7104/08/16HWI-SH, DS-7104/08/16HWI-SL, DS-7104/08/16HVI-SL, DS-7104/08/16HVI-SH, DS-7204/08/16HWI-SH, DS-7208/16HWI-SL,

DS-7204/08/16HFI-SH, DS-7204/08/16HVI-SV, DS-7204/08/16HWI-E1, DS-7208/16HWI-E2.
DS-7304/08/16HWI-SH, DS-7304/08/16HFI-SH, DS-7324/32HWI-SH, DS-7324/32HFI-SH,
DS-7324/32HCI-SH, DS-8124/32HWSI-SH, DS-8124/32HFSI-SH, DS-8124/32HCI-SH

Supported TVI DVR
DS-7104/08/16HGHI-E1, DS-7104/08/16HGHI-SH, DS-7204/08/16HGHI-E1, DS-7208/16HGHI-E2,
DS-7204/08/16HGHI-SH, DS-7204/08/16HQHI-SH, DS-7304/08/16/24/32HGHI-SH,
DS-7304/08/16HQHI-SH, DS-8104/08/16/24/32HGHI-SH, DS-8104/08/16HQHI-SH,
DS-9004/08/16HQHI-SH