NVR-B3601.28.36.200513 Release Notes

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Keywords: Version information, usage notes, precautions.

Abstract: This document provides information about the **NVR-B3601.28.36.200513** board software, including version information, usage notes, precautions, and features.

Acronym

Acronym	Full Name
NVR	Network Video Recorder

Contents

1 Version Information

1.1 Version Number

NVR-B3601.28.36.200513

1.2 Applied Product Models

Table 1 Applied Product Models

Product Models	Description
NVR302-32S	2 slots, 16-ch, H.264 and H.265, 4K ultra HD.
NVR304-16S	4 slots, 16-ch, H.264 and H.265, 4K ultra HD.
NVR304-32S	4 slots, 32-ch, H.264 and H.265, 4K ultra HD.
NVR301-04X	1 slots, 4-ch, H.264 and H.265, 4K ultra HD.
NVR301-08X	1 slots, 8-ch, H.264 and H.265, 4K ultra HD.
NVR301-16X	1 slots, 16-ch, H.264 and H.265, 4K ultra HD.
NVR301-08LX-P8	1 slot, 8-ch, 8 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-08X-P8	1 slot, 8-ch, 8 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR301-04LX-P4	1 slot, 4-ch, 4 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-04X-P4	1 slot, 4-ch, 4 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR302-08S2-P8	2 slot, 8-ch, 8 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR302-16S2-P16	2 slot, 16-ch, 16 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR301-16LX-P8	1 slot, 16-ch, 8 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-04E2-P4	1 slot, 4-ch, 4 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR301-08E2-P8	1 slot, 8-ch, 8 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR301-16E2-P8	1 slot, 16-ch, 8 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR301-08LE2-P8	1 slot, 8-ch, 8 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-16LE2-P8	1 slot, 16-ch, 8 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-04LE2-P4	1 slot, 4-ch, 4 PoE interfaces plastic shell NVR , H.264/H.265 and 4K ultra HD.
NVR301-04E2	1 slots, 4-ch, H.264 and H.265, 4K ultra HD.
NVR301-08E2	1 slots, 8-ch, H.264 and H.265, 4K ultra HD.
NVR301-16E2	1 slots, 16-ch, H.264 and H.265, 4K ultra HD.
NVR304-16S-P16	4 slot, 16-ch, 16 PoE interfaces , H.264/H.265 and 4K ultra HD.
NVR304-32S-P16	4 slot, 32-ch, 16 PoE interfaces , H.264/H.265 and 4K ultra HD.

1.3 Release History

Table 2 Released Versions

Version No.	Basic Version No.	Released On
NVR-B3601.28.36.200513	NVR-B3601.28.30.200423	2020-05-13
NVR-B3601.28.30.200423	NVR-B3601.28.26.200319	2020-04-23
NVR-B3601.28.26.200319	B3605P10	2020-03-18
B3605P10	B3603P10	2019-12-12
B3603P10	B3602P40	2019-09-27
B3602P40	B3602P36	2019-08-21
B3602P36	B3602P30	2019-07-29
B3602P30	B3602P26	2019-07-02
B3602P26	B3602P25	2019-06-15
B3602P25	B3602P21	2019-06-03
B3602P21	B3602P15	2019-03-11
B3602P15	B3602P11	2019-02-27
B3602P11	Initial release	2019-01-18

2 Usage Notes

None.

3 Software Features

Table 3 Software Features

Service	Feature
Audio and video decoding	H.264/H.265 video compression, 4K ultra HD, up to 16Mbps bit rate.
Data storage	Local storage of recordings in hard disk(s).
Web-based management	Web-based user interface for device configuration and management.

4 Version Change Description

4.1 Feature Change Description

Table 4 NVR-B3601.28.26.200319 Feature Changes

Item	Feature	Description
Newly added	Mask detection	Support alarm and configuration of mask detection cameras.
	Separate camera name	Support syncing camera name (up to 40 characters) to its OSD name.

Item	Feature	Description
features	and it's OSD	The sync function is enabled by default.
	Improved error message in preview page	More detailed messages such as incorrect password and network error are displayed in preview page, so that user experience improved.
	Support disabling third stream audio	Support disabling third stream audio and copying audio settings to multiple channels.
	Connect video doorbell	Support video doorbell, which, when connected to the app via an NVR, doorbell calling alarm can be received both on the NVR and the app.
	H.265	Auto switch to H.265 when first connected is enabled by default.
	Live view without plug-in	Live view is available without plug-in on the Web interface.
	LPR	Add license plate recognition display page.
	New local interface	New local GUI; New interaction design in wizard, channel configuration, playback and VCA.
	Retrieve password	Retrieve password by email and mobile client.
	Preset patrol	Up to 32 presets are allowed for one preset patrol.
	Playback in main stream	Playback in standard definition automatically switches to main stream for a maximized window.
	Separate permissions	Separate channel live view and audio permissions.
	Alarm configuration	Add human body detection.
	Improve switching performance when maximizing/restoring window	For connected Topsee cameras, live video starts quickly when maximizing or restoring window.
	Face recognition	Support adding face snapshots to face library.
	LPR	Whitelist/blacklist vehicle plate recognition.
	Heat map	Support heatmap statistics and export.
	GA/T1400	Upload face & plate snapshots to VMS.
	Add device without account	Scan to add NVR on app without cloud account.
	Onvif	Support Profile S.
	Pattern unlock	Support drawing pattern to unlock.
	Alarm push notification	Push alarm notification traversing NAT.
	Web maintenance	Add net detection & network flow.
	Auto add IPC	Automatic search and add IPC for 1-SATA NVR with zero configuration.
	GDPR	Add GDPR privacy statement.
	Video&Image DB (Phase 1)	Vehicle license plate recognition and search.
	Alarm report	Alarm report in non-subscribe mode, with configuration added on local interface.
	Multicast	Add uplink RTSP multicast function
Improved	Improved playback	Support setting skip interval for forwarding and rewinding playback.

Item	Feature	Description
features	Improved storage settings	Support encoding settings of third stream, and more Storage Mode options, so that solve the problem that camera with no third stream cannot play back in SD mode.
	Save password	Support saving password.
	Improved PTZ presets	Configurable PTZ preset name.
	Improved live view startup speed	IPC live view starts up quickly.
	POS	Supports AVE protocol. Changed the Start Before setting to 5sec on POS playback page and added a refresh button.
	U-Code	U-Code configuration for sub and third streams.
	VCA alarm	Added object left behind and removal alarms
	APP collaboration	Improves image display speed on APP.
	Playback	Supports 32x playback on VMS-B200
	CDN (RTMP)	Added channel-based CDN configuration
	Prompt to change password	Added a message prompting user to change temporary password
	Device connection	Supports adding channels in batch via RTSP
Deleted features	3G/4G	Support 3G/4G SIM card.

4.2 Operation Change Description

None

4.3 Solved Issues

None

5 Related Documents and Delivery Method

Table 5 Related Document List

Manual Name	Manual Version	Delivery
Network Video Recorders Quick Guide	V1.00	Deliver with device.

6 Version Upgrade Guidance

6.1 Precautions

- This software system includes a software program mirror (Program.bin). Before you start upgrade, please back up configuration data through the system or Web interface in case the upgrade fails.

- Maintain proper network connection and power supply during the upgrade.

6.2 Upgrade Procedure

The version can be upgraded through the system interface and the Web interface, both support cloud upgrade.
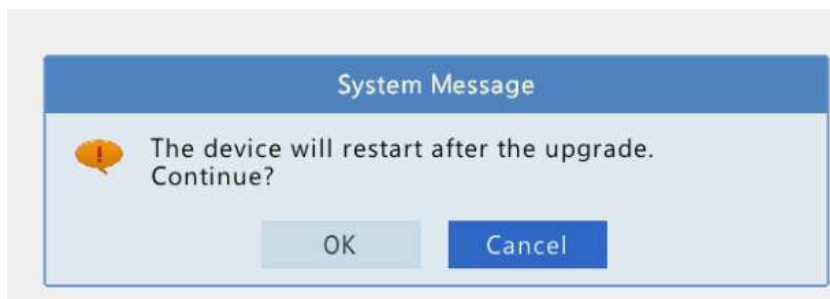
6.3 Upgrade Through the System Interface

The system interface provides two options for upgrading the system software: local upgrade using a USB drive and cloud upgrade.

1. Local upgrade

Before you start, copy the correct upgrade file to the root directory of the USB drive.

(1) Plug the USB drive into the USB interface on the NVR.

(2) Log in to the system interface as "admin".

(3) Click **Maintain** > **Upgrade**.

(4) Click **Upgrade**, select the upgrade file from the drop-down list, and then click **Upgrade**. A prompt message appears.

(5) Click **OK**.

Figure 1 Prompt Message

(6) The NVR will restart automatically when the upgrade is completed.

2. Cloud upgrade

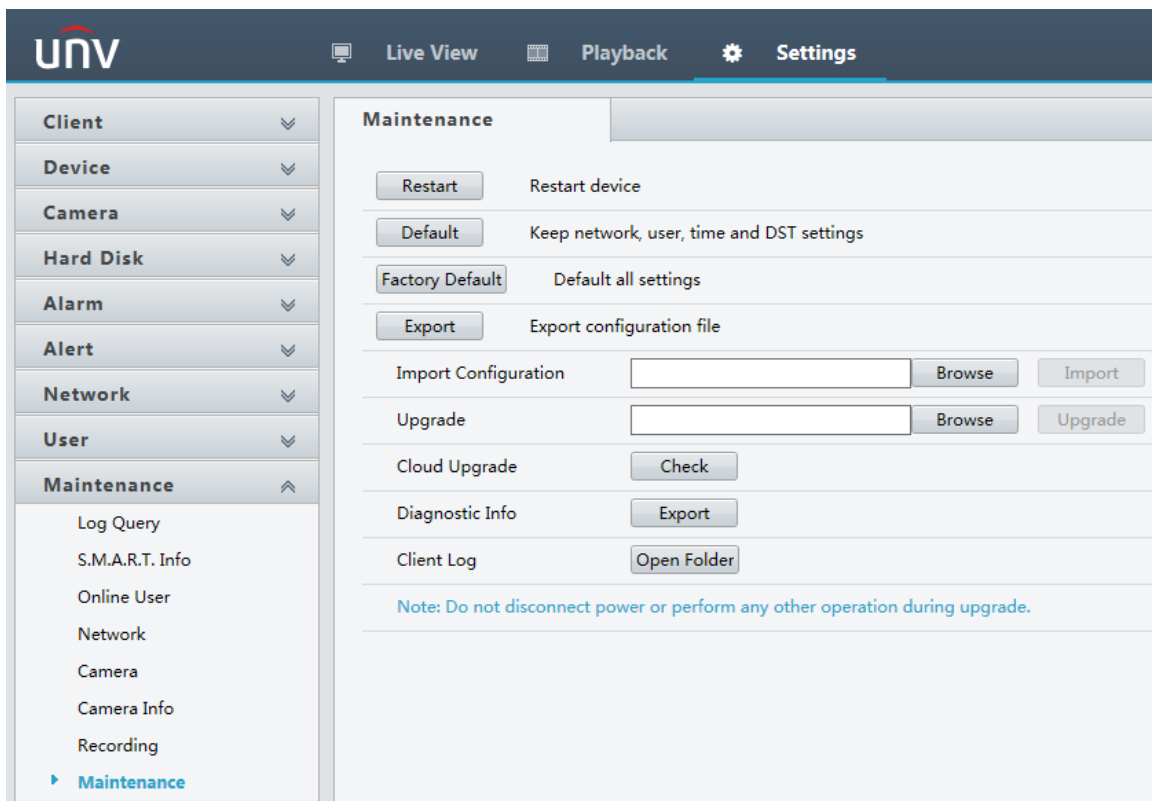Before you start, check that the NVR is correctly connected to the public network.

(1) Click **Maintain** > **Upgrade**, and then click **Check** to check for the latest version.

(2) Click **Upgrade** after a newer version is detected.

6.4 Upgrade Through the Web Interface

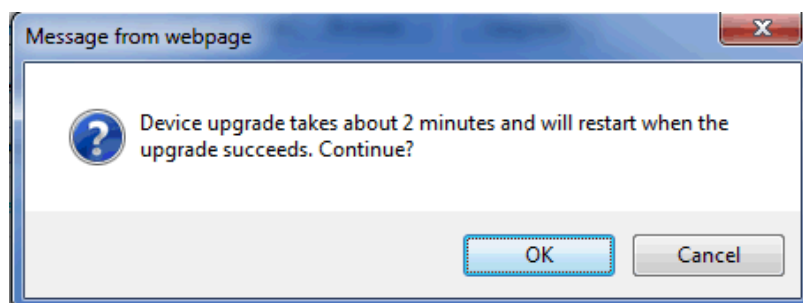Perform the following steps to upgrade through the Web interface:

(1) Log in to the Web interface as "admin".

(2) Click **Settings** > **Maintenance** > **Maintenance**.

Figure 1 System Maintenance

(3)   Click **Browse** right to the **Upgrade** field, select the **Program.bin** file to upgrade, and then click **Upgrade**.

(4)   If the NVR is connected to the public network, you may also click **Check** to perform a cloud upgrade. If a newer version is detected, a prompt message will appear. Click **OK** to start upgrade.

Figure 2 Prompt Message

(5)   The NVR will restart automatically when the upgrade is completed.