NVR-B1217.31.59.220620 Release Notes

Zhejiang Uniview Technologies Co., Ltd.

NVR-B1217.31.59.220620 Release Notes

Keywords: Version information, usage notes, precautions.

Abstract: This document provides information about the **NVR-B1217.31.59.220620** 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-B1217.31.59.220620

1.2 Applied Product Models

Table 1 Applied Product Models

Product Models	Description
NVR304-32E-IF	4 slots, 32-ch, H.264 and H.265, 4K ultra HD.
NVR302-16E-IF	2 slots, 16-ch, H.264 and H.265, 4K ultra HD.

1.3 Release History

Table 2 Released Versions

Version No.	Basic Version No.	Released On
NVR-B1217.31.59.220620	NVR-B1217.31.58.220507	2022-06-20
NVR-B1217.31.58.220507	NVR-B1217.31.57.220424	2022-05-07
NVR-B1217.31.57.220424	NVR-B1217.31.55.220402	2022-04-24
NVR-B1217.31.55.220402	NVR-B1217.31.51.220121	2022-04-02
NVR-B1217.31.51.220121	NVR-B1217.31.46.211227	2022-01-27
NVR-B1217.31.46.211227	NVR-B1217.30.6.210826	2021-12-29
NVR-B1217.30.6.210826	NVR-B1217.29.63.210628	2021-08-26
NVR-B1217.29.63.210628	NVR-B1217.29.27.210615	2021-06-28
NVR-B1217.29.27.210615	NVR-B1217.3.32.200824	2021-06-15
NVR-B1217.3.32.200824	NVR-B1217.3.30.200709	2020-08-24
NVR-B1217.3.30.200709	NVR-B1217.3.26.200609	2020-07-09
NVR-B1217.3.26.200609	NVR-B1217.3.12.200316	2020-06-09
NVR-B1217.3.12.200316	NVR-B1217.3.6.191226	2020-03-16
NVR-B1217.3.6.191226	NVR-B1217.2.6.191105	2019-12-26
NVR-B1217.2.6.191105	NVR-B1217.1.26.190920	2019-11-05
NVR-B1217.1.26.190920	Initial release	2019-09-20

2 Usage Notes

None.

3 Software Features

Table 3 Software Features

Service	Feature
Audio and video decoding	H.264 and H.265, 4K resolution display, 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 1 NVR-B1217.31.46.211227 Feature Changes

Item	Feature	Description
Newly added features	Persistent WebSocket connections with upper platform	NVR can initiate WebSocket connections over SSL/TLS with an upper platform (EZCloud or third-party platform) to achieve bi-directional signaling communication based on the WSS.
	WEB plugin 3.0	The new Web plugin supports a variety of new browser versions and provides better performance in supporting multi-channel and high-resolutions.
	Front-end people flow counting and crowd density monitoring	Supports the connection of IPCs capable of people flow counting and crowd density monitoring, supports the configuration of people flow counting and crowd density monitoring, the search and export of people flow counting statistics.
	Searching license plates on the web	The web interface now allows users to search plates by channel, time, plate color, vehicle color, and plate number.
	Exporting plate search results on the web	The web interface allows user to export plate search results to a CSV file.
Improved features	NVR perimeter protection based on motor vehicles, non-motor vehicles, and pedestrians	NVR perimeter protection supports motor vehicles, non-motor vehicles, and pedestrians, and relevant configuration, smart preview and smart search.
	Dahua IPC activation	NVR can activate Dahua IPC automatically.
	Searching face library by image	The local interface allows users to search a face library using a face image.
	Searching face library by modeling status	Allows user to search a face library for face images that failed modeling.
	Added alarm input channel name	The alarm input page added the configuration of alarm input channel name.
	Uniform password mechanism on IPC and NVR	IPC and NVR have uniformed the password mechanism and extended password length to 32 bits.
Deleted features	None	None

Table 2 NVR-B1217.29.63.210628 Feature Changes

Item	Feature	Description
Newly added features	On-screen watermark descriptions	Added watermark descriptions on the screen.
	Supports front-end Smart Intrusion Prevention (SIP)	Supports connection of SIP-enabled IPC, supports configuration, smart preview and search.
	Arming scheduling for SIP and human body detection	Supports synchronizing arming schedules for smart intrusion prevention and human body detection to IPC.
Improved features	None	None.
Deleted features	None	None.

Table 3 NVR-B1217.3.26.200609 Feature Changes

Item	Feature	Description
Newly added features	Mask detection	Support backend mask detection.
	Thermal camera	Support connecting thermal cameras.
Improved features	None	None.
Deleted features	None	None.

4.2 Operation Change Description

None

5 Related Documents and Delivery Method

Table 4 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.

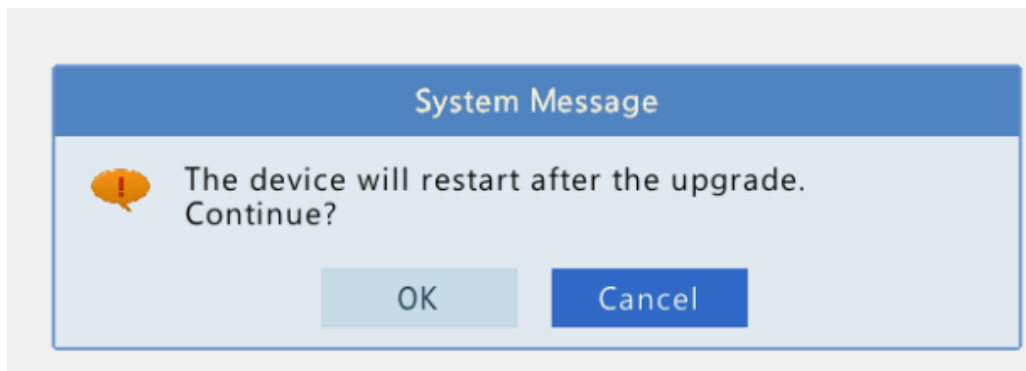## 6.3 Upgrade Through the System Interface

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

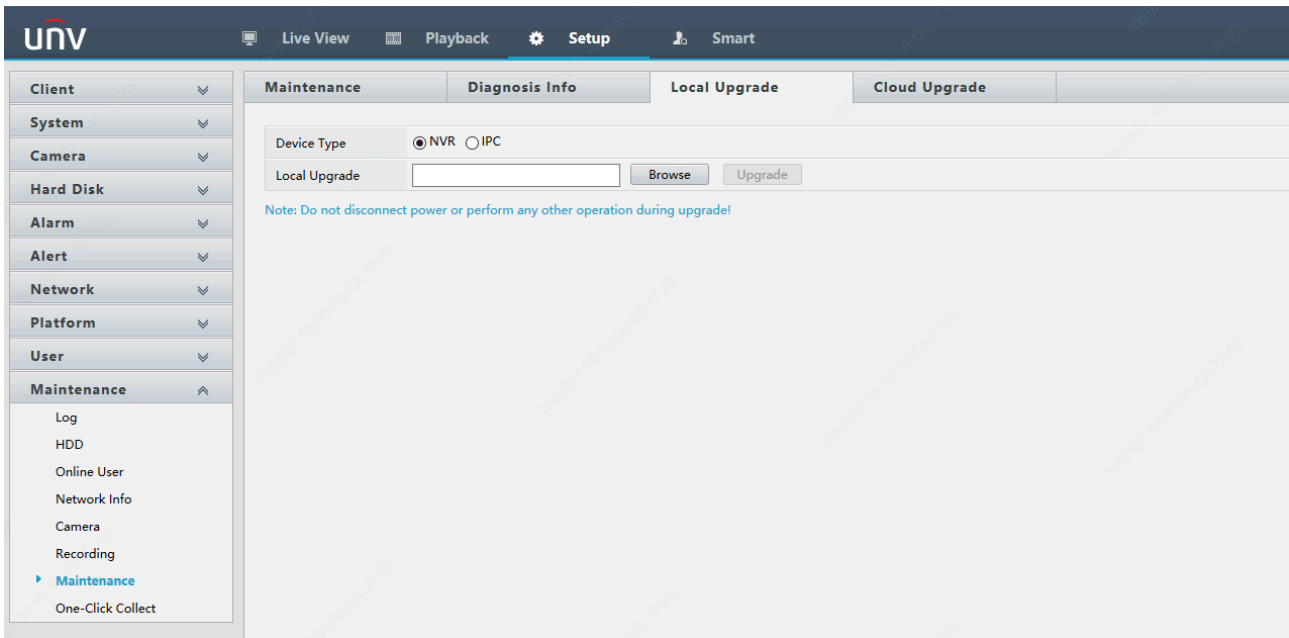Before you start, check that the NVR is correctly connected to the public network.

(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

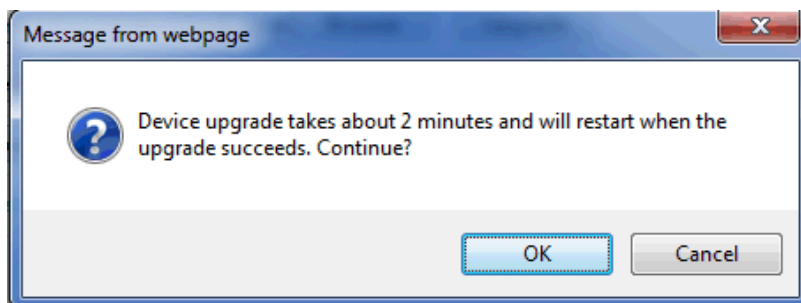Perform the following steps to upgrade through the Web interface:

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

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

Figure 2 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 3 Prompt Message

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

Version Upgrade Disclaimer

1. By setting or installing this program in any way you agree to all of the following terms and conditions. Your downloading or using the program means you acknowledge your full understanding and acceptance of the following terms and conditions. If you do not agree to any of the following terms, you shall not use the program and you must cease installing and delete the program immediately.

2. The upgrade program is only applicable to the intended regions and product models. Before upgrade or update, please read the release notes carefully to make sure the program is applicable to your region and product model. You will be fully liable and responsible for all the consequences of device abnormality and related maintenance costs caused by your improper operations.

3. Uniview owns or is legally authorized to own all rights and IPRs (Intellectual Property Rights) of the program and the supplied release notes.

4. Software upgrades are for the optimization of product functions and do not mean there is defect.

5. You must strictly follow instructions in the release notes during the upgrade process, otherwise you are responsible for the possible consequences and related maintenance costs.

6. You shall not engage in any of the following activities, otherwise you would be liable for infringement and responsible for any adverse consequences arising therefrom.

  6.1   Copy the program (exclude the reasonable and necessary copies for internal backups);

  6.2   Exclude this statement when using the program or transfer the program to any third party;

  6.3   Modify the program or its derivatives;

  6.4   Reverse engineer, decompile or disassemble this program.

7. The program is only intended for authorized users. Its architecture, organization and source code are valuable trade secrets and confidential information owned by Uniview and its authorized parties. You agree not to provide or disclose any confidential information contained in or derived from the software to any third party. No part of this document may be excerpted, reproduced, or distributed in any form by any entity or individual without written consent from our company.