

B3122P31C Release Notes

Zhejiang Uniview Technologies Co., Ltd.

B3122P31C Release Notes

Keywords: Version information, usage notes, precautions.

Abstract: This document provides information about the **B3122P31C** board software, including version information, usage notes, precautions, and features.

Acronym

Acronym	Full Name
NVR	Network Video Recorder

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1 Version Information

1.1 Version Number

B3122P31C

1.2 Applied Product Models

Table 1 Applied Product Models

Product Models	Description
NVR304-16E-B	4 slots, 16-ch, H.264 and H.265, 4K ultra HD.
NVR304-32E-B	4 slots, 32-ch, H.264 and H.265, 4K ultra HD.
NVR304-16EP-B	4 slots, 16-ch, 16 PoE interfaces, H.264, H.265, 4K ultra HD.
NVR304-32EP-B	4 slots, 32-ch, 16 PoE interfaces, H.264, H.265, 4K ultra HD.
NVR308-16E-B	8 slots, 16-ch, H.264 and H.265, 4K ultra HD, RAID
NVR308-32E-B	8 slots, 32-ch, H.264 and H.265, 4K ultra HD, RAID
NVR308-64E-B	8 slots, 32-ch, H.264 and H.265, 4K ultra HD, RAID
NVR308-32R-B	8 slots, 32-ch, H.264 and H.265, 4K ultra HD, RAID, hot-pluggable disk drives
NVR308-64R-B	8 slots, 32-ch, H.264 and H.265, 4K ultra HD, RAID, hot-pluggable disk drives

1.3 Release History

Table 2 Released Versions

Version No.	Basic Version No.
B3122P31C	B3122P31

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 4 B3122P25 Feature Changes

Item	Feature	Description
New features	None	None
Improved features	None	None
Deleted features	Face recognition (phase I)	Used with USB intelligent analysis device to provide blacklist and whitelist functions. Only 4 Series –B model supports this function.

Table 5 B3122P10 Feature Changes

Item	Feature	Description
New features	Face recognition (phase I)	Used with USB intelligent analysis device to provide blacklist and whitelist functions. Only 4 Series –B model supports this function.
	USB connected burner	Connect to an external USB burner to burn recordings to a disc. Supported by some models only.
	Fisheye (phase III)	Add dewarping function for 5 Series and marking function for 3 Series.
	Connection to new 4K fisheye camera models	Connectable with certain new models of 4K fisheye cameras and supports back-end dewarping.
Improved features	TLS/SSL	Achieves complete SSL/TLS encryption.
	Maintenance info storage	Save space by saving maintenance logs to hard disks.
	IPC upgrade by cloud	Adds a Check button (to check for update) and displays latest version info.
	3G/4G	Adds custom mode for access points.
	Playback	Allows user to choose third stream for playback.
	Alarm triggered preview	Supports multi-window display for alarm-triggered preview.
	N+1 function	Supports IPC connected by RTSP.
	Parameter configuration	Increases image quality levels from 6 to 9.
Password policy	Added an enable/disable setting and changed some policy.	
Deleted features	None	None

4.2 Operation Change Description

None

5 Related Documents and Delivery Method

Table 6 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

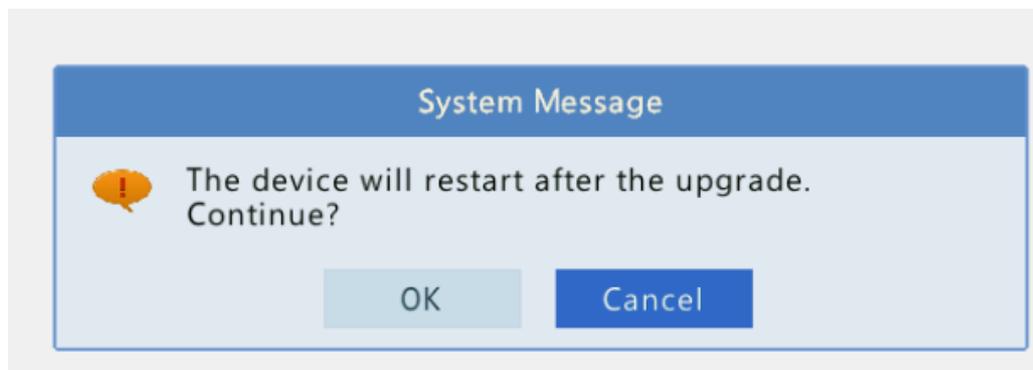
The system interface provides two options for upgrading the system software: local upgrade using a USB drive and cloud upgrade.

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.

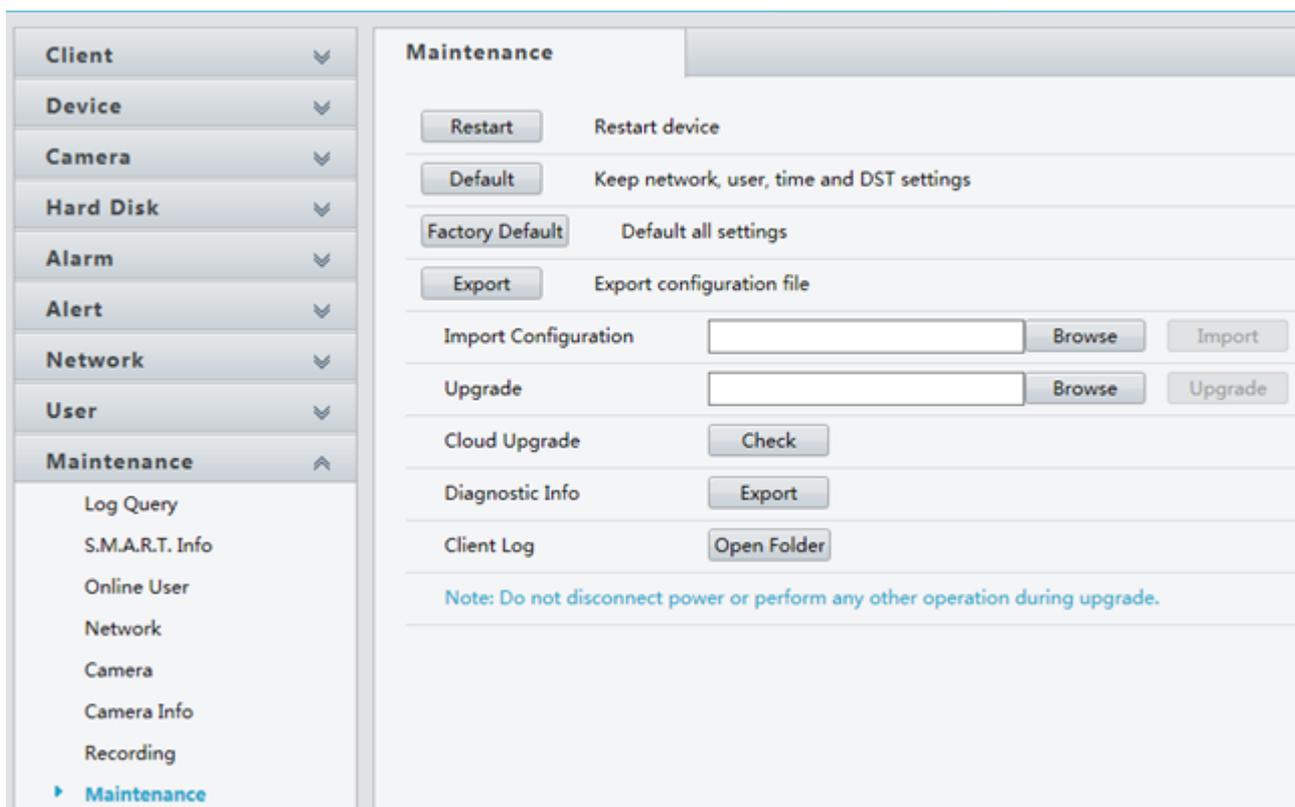
- (1) Click **Maintain>Upgrade**, and then click **Check** to check for the latest version.
- (2) Click **Upgrade** after a newer version is detected.

6.4 Upgrade Through the Web Interface

Perform the following steps to upgrade through the Web interface:

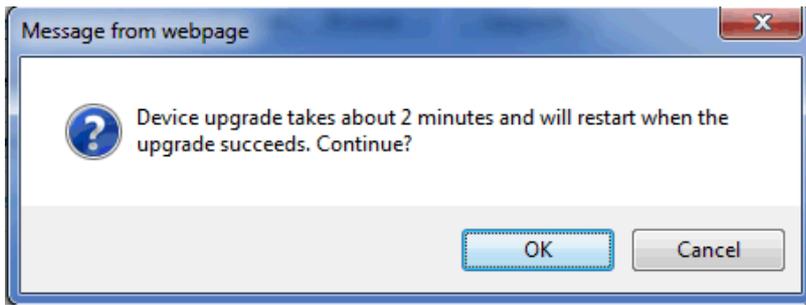
- (1) Log in to the Web interface as “admin”.
- (2) Click **Settings>Maintenance>Maintenance**.

Figure 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.