

# B3217P16 Release Notes

Zhejiang Uniview Technologies Co., Ltd.

# B3217P16 Release Notes

Keywords: Version information, usage notes, precautions.

**Abstract:** This document provides information about the B3217P16 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

B3217P16

## 1.2 Applied Product Models

Table 1 Applied Product Models

Product Models	Description
NVR301-04E	1 slot, 4-ch, 1 U with front panel
NVR301-08E	1 slot, 8-ch, 1 U with front panel
NVR301-16E	1 slot, 16-ch, 1 U with front panel

## 1.3 Release History

Table 2 Released Versions

Version No.	Basic Version No.	Released On
B3217P16	B3201P16	2016-04-15
B3201P16	B3201P13	2016-01-29
B3201P13	B3201P06	2016-01-11
B3201P06	Initial release	2015-11-20

# 2 Usage Notes

None.

# 3 Software Features

Table 3 Software Features

Service	Feature
Audio and video decoding	H.264 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 B3217P16 Feature Changes

Item	Feature	Description
Newly added features	Cache post recording	Available for IP cameras installed with an SD card to reduce the risk of losing videos. Videos saved on the SD card will be transmitted and stored on the NVR when the disconnected IP camera gets back online.
	Disk group management	Allows disk management by group to ensure sufficient storage for important cameras.
	Redundant storage configuration	Enables the configuration of redundant storage.
	Improved colors for the user interface	Uses Uniview standardized style to improve the user interface and enhance the identification of icons and symbols.
	Web-based control of system interface	Allows the user to change image resolution and preview sequence on the system interface through the Web interface.
	Alarm-triggered pop-up window	A window pops up on the system interface to alert the user when an alarm occurs.
	ARP protection	Obtains the MAC of its gateway at first startup and communicates with the gateway with this MAC ever since. The MAC can be edited as needed.
Improved features	Optimized system interface for ease of use	Improves window toolbar, shortcut menu, PTZ control, startup wizard, and the menu bar at the bottom of the screen for easier use.
	Enhanced playback on the Web interface	Allows smart playback and event-based playback on the Web interface.
	PTZ control	The system interface supports PTZ control using shortcut keys.
	Enhanced ability to connect to IP cameras	Added the following for Uniview IP cameras: 1. White balance mode 2. Scenes 3. Alarm indicating failed camera access attempts
	Enhanced ONVIF downlink	Allows the user to disable time synchronization with IP cameras. This feature prevents the problem that some third-party IP cameras cannot get online because they do not support time zone synchronization or time synchronization.
	Enhanced ONVIF uplink	1. Combines uplink ONVIF port with HTTP port to improve networking adaptability. 2. Reports more alarm types (disk offline, disk abnormal). 3. Allows the obtainment and modification of the device name.
	Log export	Allows the user to export logs as CVS files for easy search and management.
	One plug-in for NVR and IPC	Allows the user to install the plug-in only once for accessing the NVR and IP cameras using a Web browser.
Plug&play	Changes the default IP address to 192.168.1.30 while also supports 192.168.0.30 to adapt to default network environments of most routers and network switches and simplify configuration.	

Item	Feature	Description
	Network security	Improves protection against network attacks for better user privacy.
	User management	Increases the number of concurrent remote users from 16 to 128.
	Web-based upgrade	Filters file types for local upgrade through the Web interface.
	Maintenance tool	Allows the changing of user password through EZTools.
Deleted features	None	None

## 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

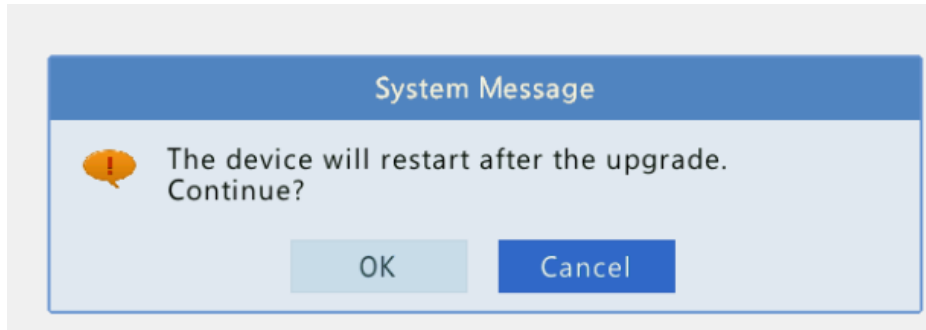
The system interface provides two options for upgrading the system software: local upgrade using a USB drive and cloud upgrade.

#### 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.

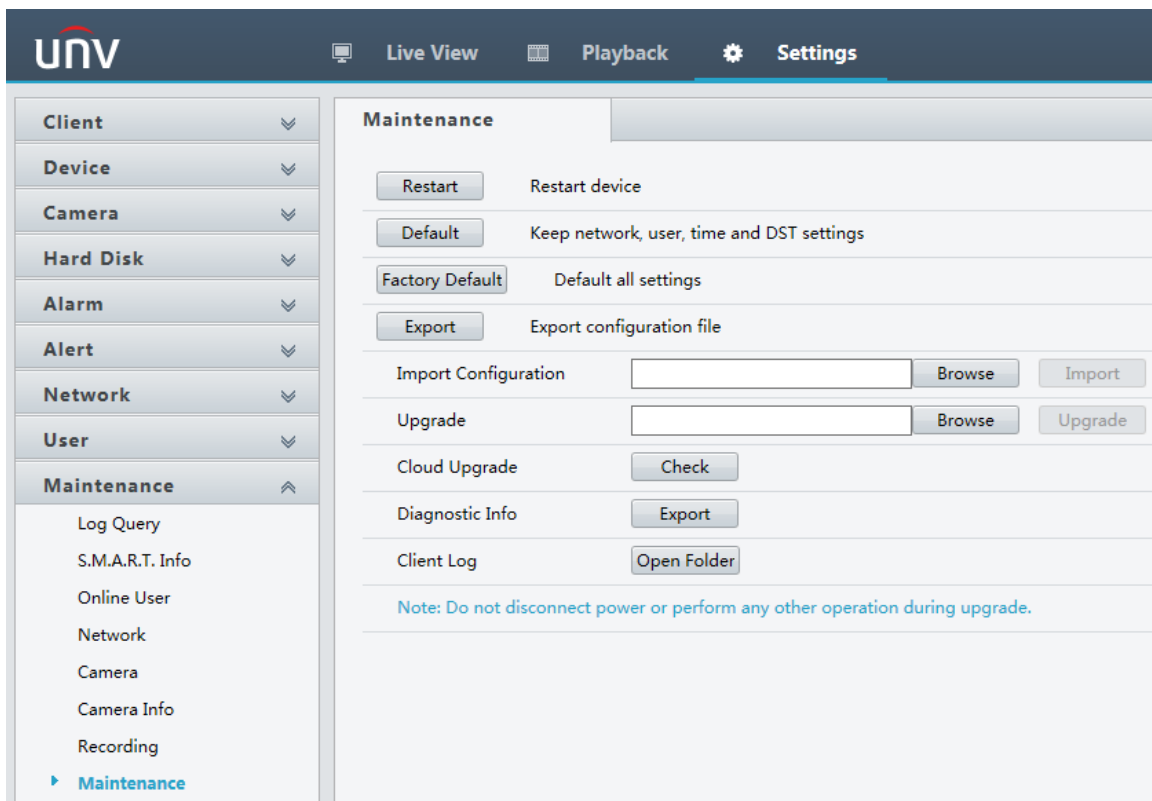
- (1) Click **Maintain > Upgrade**, and then click **Check** to check for the latest version.
- (2) Click **Upgrade** after a newer version is detected.

## 6.4 Upgrade Through the Web Interface

Perform the following steps to upgrade through the Web interface:

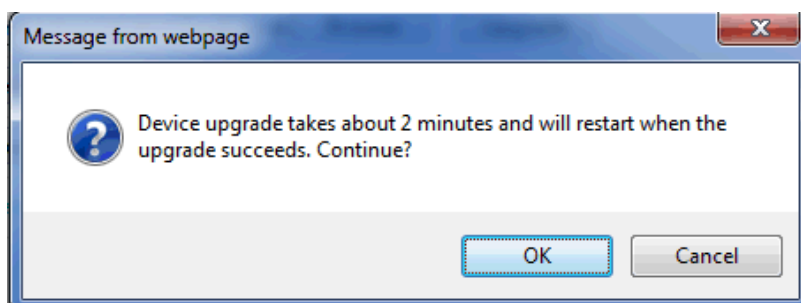
- (1) Log in to the Web interface as “admin”.
- (2) Click **Settings > Maintenance > Maintenance**.

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.

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