

# XVR-B3520.9.33.241226 Release Notes

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# XVR-B3520.9.33.241226 Release Notes

Keywords: Version information, usage notes, precautions.

**Abstract:** This document provides information about the **XVR-B3520.9.33.241226** 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

XVR-B3520.9.33.241226

## 1.2 Applied Product Models

Table 1 Applied Product Models

| Product Models | Description   |
|----------------|---|
| XVR301-08Q3    | 1 HDD, 4 analog channel, 2 IP channel, H.264, H.265 |
| XVR301-04U3    | 1 HDD, 4 analog channel, 2 IP channel, H.264, H.265 |
| XVR301-04U3-P4 | 1 HDD, 4 analog channel, 2 IP channel, H.264, H.265 |

## 1.3 Release History

Table 2 Released Versions

| Version No.           | Basic Version No.     | Released On |
|-----------------------|-----------------------|-------------|
| XVR-B3520.9.33.241226 | XVR-B3520.8.44.240515 | 2024-12-26  |
| XVR-B3520.8.44.240515 | XVR-B3520.8.42.240411 | 2024-05-15  |
| XVR-B3520.8.42.240411 | XVR-B3520.8.27.240308 | 2024-04-11  |
| XVR-B3520.8.27.240308 | XVR-B3520.8.26.240201 | 2024-03-08  |
| XVR-B3520.8.26.240201 | XVR-B3520.7.26.231023 | 2024-02-01  |
| XVR-B3520.7.26.231023 | XVR-B3520.7.21.230925 | 2023-10-23  |
| XVR-B3520.7.21.230925 | XVR-B3520.6.35.230818 | 2023-09-25  |
| XVR-B3520.6.35.230818 | XVR-B3520.6.30.230711 | 2023-08-18  |
| XVR-B3520.6.30.230711 | XVR-B3520.6.20.230606 | 2023-07-11  |
| XVR-B3520.6.20.230606 | XVR-B3520.5.26.230327 | 2023-06-06  |
| XVR-B3520.5.26.230327 | XVR-B3520.3.11.221128 | 2023-03-27  |
| XVR-B3520.3.11.221128 | XVR-B3520.3.10.221011 | 2022-11-28  |
| XVR-B3520.3.10.221011 | Initial release       | 2022-10-11  |

# 2 Usage Notes

None.

## 3 Software Features

Table 3 Software Features

| Service                  | Feature   |
|--------------------------|---|
| Audio and video decoding | H.264 and H.265, 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 XVR-B3520.9.33.241226 Feature Changes

| Item         | Feature  | Description   |
|--------------|--|---|
| New features | Batch copy feature for arming schedule   | Added the batch copy feature for arming schedules in perimeter protection, enhancing configuration efficiency.  |
|              | XVR301-04U3-P4 supports PoC control  | Power of Coaxial (PoC). With PoC enabled, the XVR can power a PoC enabled analog camera without requiring an additional power adapter; however, if the analog camera does not support PoC, or if PoC is disabled, an external power adapter is still required.  |
|              | One-key disarming  | NVR can push alarms to the upper-level platform through alarm linkage; one-key disarming can deactivate alarm push to the upper-level platform.   |
|              | Disarm by switch   | When the NVR's alarm-in1 interface is connected to a switch signal input device, it can trigger the NVR to enable/disable scheduled disarming on IPC through the NO or NC switch.   |
|              | Diagnostic info collection through USB flash drive   | When a USB flash drive is plugged in to the NVR, the NVR can automatically collect diagnostic info and save it to the USB flash drive.  |
|              | P2P is disabled by default for overseas devices  | EZCloud is disabled by default on overseas devices.   |
|              | PTZ and keyboard control via serial interface  | 304/308-32Q3 models added RS422/232 control capabilities.   |
|              | When switching analyzer, all the channels using the current analyzer will be disabled automatically. | When switching analyzer, all the channels using the current analyzer will be disabled automatically.  |
|              | F series analog camera upgrade feature   | The F series optimized upgrade for analog cameras, improving the upgrade compatibility to meet diverse application requirements.  |
|              | Q3/U3 series support face snapshot   | Q3/U3 series NVR can detect faces in images captured by cameras and report alarms and upload snapshots.   |
|              | General HTTP alarm integration requirements from Italian customer                                    | The HTTP field is used to push alarms to the third-party management platform. The URL format of HTTP alarm push is http://IP:Port/CustomContent. After the customer configures the HTTP push information, the triggered alarms will be pushed to the platform in the form of customer-configured URL. |

| Item              | Feature  | Description   |
|-------------------|--|---|
| Improved features | Improved ease-of-use without plug-in installed | Improved ease-of-use when the plug-in is not installed. |
| Deleted feature   | None   | None  |

Table 5 XVR-B3520.8.26.240201 Feature Changes

| Item                 | Feature   | Description  |
|----------------------|---|--|
| Newly added features | Image mode and noise reduction  | Supports image noise reduction. You can set different image modes for various periods of time in the same scene.   |
|                      | Optimized OSD effect  | Improves the image effect on the Web's live view and playback interfaces to prevent OSD from stretching and deforming.   |
|                      | Storage mode switch   | Allows to change the storage mode, so as to store more data when the storage space is limited.   |
|                      | Allows to disable UMD for multiple analog cameras in batches  | UMD supports copy function to realize batch operations, improving the efficiency.  |
|                      | Smart dual light  | Supports smart dual light after connecting Uniview analog cameras.   |
|                      | The local interface allows to set the image display ratio   | By setting the image display ratio, the local interface can output the optimal image to fit the window in various scenes, preventing image stretch due to the access of cameras with different display size.         |
|                      | Analog cameras support PAL/NTSC   | Allows to configure the PAL/NTSC video standard for multiple analogy cameras in batches.   |
|                      | Supports SD recordings backup   | On the Playback interface, users can clip and download SD recordings.  |
|                      | Supports sending an email to the specified email address when an alarm is triggered                     | This function allows to specify the email recipient(s) for various alarms when alarms occur.   |
|                      | Supports 3K analog cameras of other manufacturers   | Supports 3K, 2960*1664@20fps resolution.   |
|                      | Supports loading service without plug-in installed  | The functions on the Web interface can be used normally even if the plug-in is not installed.  |
|                      | Supports searching playback by motor vehicle, non-motor vehicle, and human body                         | User can search playback by object type so as to quickly view the desired object recordings, improving the search efficiency.  |
| Optimized features   | Optimized prompts for retrieving the password   | Before modification, the interface shows the specific app and path to retrieve the password. After modification, users can scan the QR code with the phone to retrieve the password, easy and convenient.            |
|                      | Supports sending one email with alarm information and image to the specified recipient(s) when an alarm | In the previous version, the NVR will send two emails when an alarm occurs, including the first email without snapshot and the second email with snapshot. In this version, the NVR will send an email attached with |

|                  |        |   |
|------------------|--------|---|
|                  | occurs | snapshot(s) and alarm information when an alarm occurs. |
| Deleted features | None   | None  |

Table 6 XVR-B3520.7.20.230908 Feature Changes

| Item                 | Feature                      | Description  |
|----------------------|------------------------------|--|
| Newly added features | U-code for the analog camera | Supports advanced and basic U-code modes for the analog camera.  |
|                      | NVR-side SIP                 | Supports NVR-side SIP.   |
|                      | Auto frame rate(fps)         | The analog camera's frame rate automatically switches as the resolution changes, so as to maximize encoding performance. |
| Improved features    | None                         | None   |
| Deleted features     | None                         | None   |

Table 7 XVR-B3520.6.20.230606 Feature Changes

| Item                 | Feature  | Description  |
|----------------------|--|--|
| Newly added features | Batch parameter configuration for analog cameras | Supports batch configuring vital parameters for Uniview's analog cameras |
| Improved features    | Optimized image effect                           | Optimizes XVR's image effect for consistent style                        |
| Deleted features     | None   | None   |

Table 8 XVR-B3520.5.26.230327 Feature Changes

| Item                 | Feature                            | Description  |
|----------------------|------------------------------------|--|
| Newly added features | UMD                                | Supports ultra motion detection, which allows user to configure detection alarm for pedestrians and motor vehicles, and search the snapshots and recordings of pedestrians and motor vehicles. |
|                      | Privacy mask                       | Supports privacy mask.   |
|                      | Snapshot                           | Supports snapshot via analog camera.   |
| Improved features    | Optimized default live view window | The default live view window of 4/8/16-channel XVR is respectively optimized to 4/8/16 screens.  |
| Deleted features     | None                               | None   |

## 4.2 Operation Change Description

None

## 5 Related Documents and Delivery Method

Table 9 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.

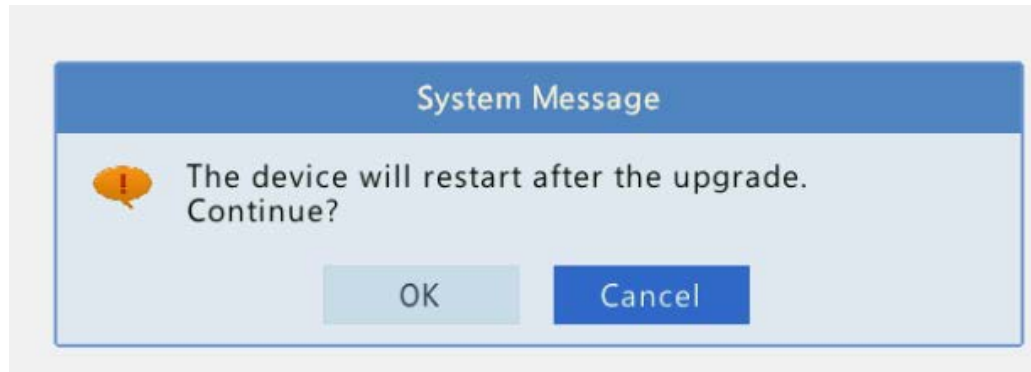
#### 1. Local upgrade

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.

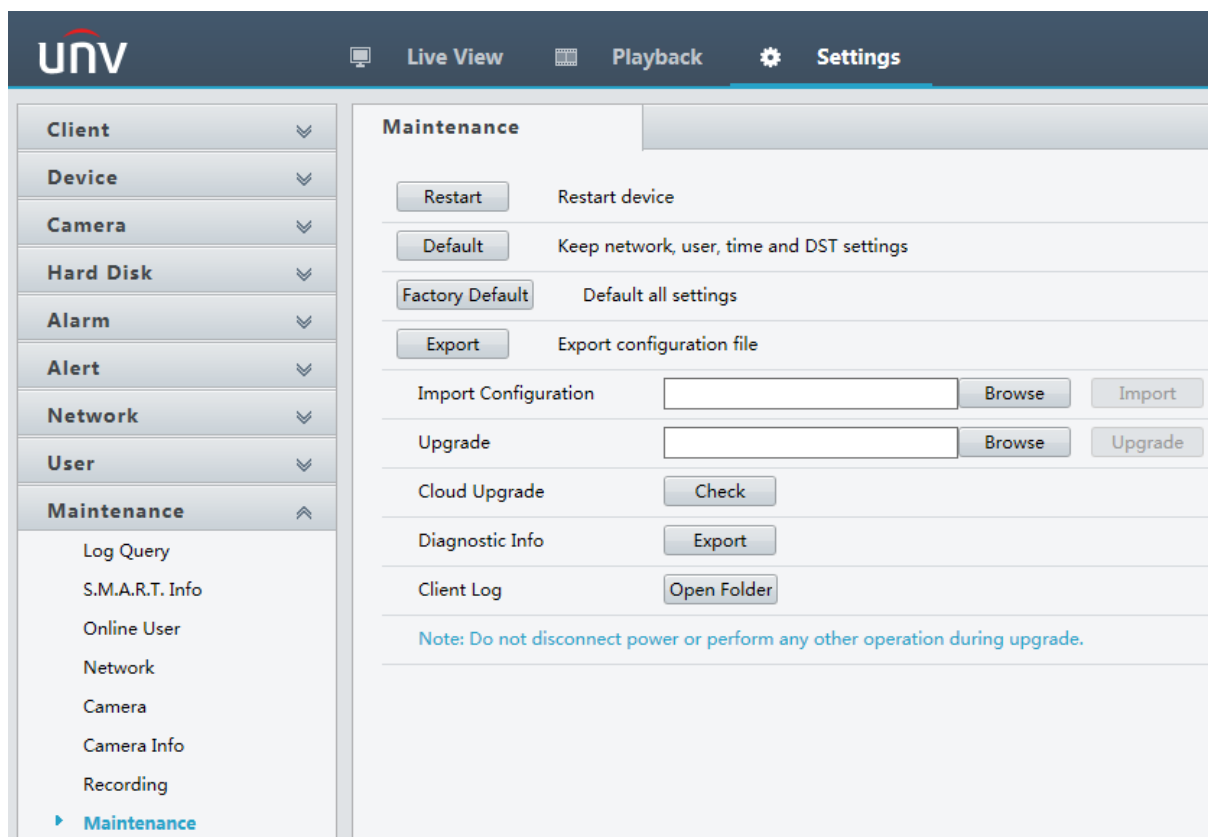
- (1) Click **Maintain>Upgrade**, and then click **Check** to check for the latest version.
- (2) Click **Upgrade** after a newer version is detected.

## 6.4 Upgrade Through the Web Interface

Perform the following steps to upgrade through the Web interface:

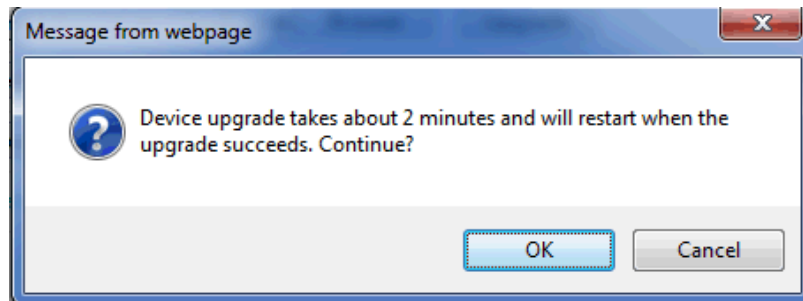
- (1) Log in to the Web interface as “admin”.
- (2) Click **Settings>Maintenance>Maintenance**.

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.

### 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.
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