QIPC-B6301.11.7.220415

Release Notes

Zhejiang Uniview Technologies Co., Ltd

QIPC-B6301.11.7.220415 Release Notes

Keywords: Version information, version upgrade

Abstract: This document provides detailed version information and upgrade procedure for QIPC-B6301.11.7.220415.

Acronym:

Acronym	Full Name
IPC	IP Camra

Content

1 Version Information

1.1 Version Number

QIPC-B6301.11.7.220415

1.2 Release History

Table1Released versions

Version No.	Basic Version No.	Released On	Remarks
QIPC-B6301.11.7.220415	QIPC-B6301.11.5.220304	2022-04-19	Improved release

1.3 Version Mapping Table

Table2Version mapping table

Product Mapping Item	Version No. (For External)
NVR	NVR-B3111.29.28.200914/B3605P10/NVR-B3401.19.6.200324/NVR-B5201.29.25.200702/NVR-B1217.29.30.200915

Table3Product models table

Product Series	IPC Series
Series	IPC264SA、IPC3234SA、IPC264EA、IPC3234EA
Models	**IPC264SA series:**IPC264SA-DZK
	IPC3234SA series:IPC3234SA-DZK
	IPC264EA series:IPC264EA-DZ28-H
	IPC3234EA series:IPC3234EA-DZ28-H
	TIC2221TER5 series: TIC2221TER5-F3-4F4AC-VD
Target file name	QIPC-B6301.11.7.220415.zip

2 Feature Change Description

D2109SP07（QIPC-B6301.11.7.220415）：

None.

D2109SP05（QIPC-B6301.11.5.220304）：

None.

D2109SP03(QIPC-B6301.11.3.220209)：

Item	Feature	Description
Newly added features	Recording search and download by alarm type	Allows user to view and download alarm recordings of a specified alarm type, for example, motion detection, parking detection, etc.
	Irregular privacy mask area	Allows user to draw irregular privacy mask areas, each with up to 4 nodes.
	Lens initialization	Supports one-click initialization of the lens and automatic initialization at a user-specified time.
	Image OSD	Supports snapshot OSD, which can use live view OSD or be configured separately.
	New added models	TIC2221TER5-F3-4F4AC-VD
Improved features	None	None
Deleted features	None	None

D2012SP11：

None.

D2012SP09：

None.

D2012SP07：

None.

D2012：

Item	Feature	Description
Newly added features	Motorized lens	Network box cameras support DA1150-12M motorized lenses.
	Video FTP	Supports alarm-triggered FTP to upload videos to an FTP server.
	Area shielding	Face detection and mixed-traffic detection support area shielding.
	Web login prompt	Users will be prompted to fill in a phone number or email address when logging in to a device's Web interface for the first time.
	Number of alarm audio files	The more smart functions the device supports, the more the alarm audio files.
	Snapshot OSD	Supports OSD overlay on snapshots.
	Mask detection	Added the mask attribute for face detection.
	Packet export	Added a setting of packet capture.
Improved features	VCA detection during patrol	Supports face detection and mixed-traffic detection during patrol.
	Number of presets	A camera module supports 1024 presets.
	SSH	Changed the connection mode for device maintenance from Telnet to SSH.
Deleted features	Chain calculation	Deleted chain calculation.

P06D2009：

Item	Feature	Description
Newly added features	IPv6	Supports IPv6 DHCP and basic functions (live view, audio, snapshot) based on IPv6.
	People counting	Tripwire people counting added a new counting type: people inside.
	Visible attributes	1. A separate line is added on the bottom of the live snapshot page showing all the captured humans when face detection and human body snapshot are enabled. Human body attributes that were previously displayed on the right side of face snapshots are now displayed below the live view image. 2. User can double-click a closeup to zoom in for details, including original image, closeup and all attributes. The scroll bar next to closeup image is removed. 3. Attributes of human faces, human bodies, motor vehicles and non-motor vehicles are now visible and represented by the corresponding icons.
Improved features	Smart intrusion prevention LAPI	Smart intrusion prevention can upload snapshots to NVR via LAPI.
	Smart intrusion prevention	Smart intrusion prevention does not display intelligent mark and attributes before the object triggers the rule.
	Privacy mask	The device supports mosaic mask for eight privacy areas on single image.
Deleted features	None	None

P02D2007：

Item	Feature	Description

	Phone number or email required at first login	1. By default, useris required to enter mobile phone number (domestic devices) or email (overseas devices)at first login. User can leave it empty by deselecting the checkbox. A warning message will appear when the checkbox is deselected. 2.After the phone number/email is configured, user can click Forgot Password on the login page to retrieve password using the set phone number or email address.
	Image stabilization	Certain models support image stabilization. User can enable or disable image stabilization on the Web interface.
	Sync time with cloud server	Devices supporting EZCloud can sync time with cloud server.
	Alarm reporting of smart functions	Supports reporting alarms of smart functions to VMS via LAPI persistent connection.
Newly added features	Authentication	1. To enable HTTPS, HTTP needs to be disabled. After enabling HTTPS, user will be redirected to log in by HTTPS. (HTTPS is not supported without plugin, and functions like upgrade and diagnosis info export are not available for HTTPS login.) 2. Added new HTTP and RTSP authentication mode Digest SHA265, and Digest changes to Digest MD5. The default is Digest MD5. 3. RTSP encryption relies on HTTP. The web interface and functions are not affected.
	Operation log	Addedthe Logtab in Setup >System. User can search and view operation logs under this tab.
	Management server address	Management server address supports both IP and domain name (Domain name was not supported previously). The server addresses of UNP, media stream, storage, FTP, intelligent server, 3011 server, and Qianxun SI all support IP and domain name.
	Snapshot plan	Addedthe Enable Snapshot Plan checkbox when Snapshot Mode is set to Repeat. User can enable/disable snapshot plan and edit arming periods.
	Target overlay	Added Target Overlay in Intelligent>Advanced Settings> Photo Parameters. This function is disabled by default. When enabled, a detection box overlays around a target in the snapshot.
	Recording download	Support downloading recordings in batches. Support downloading a video clip.

	Home position	Added Orientation tab, providing Orientation and Home Position functions. Removed the Orientation function under OSD tab.
	Trigger actions of face picture comparison	Addedalarm output in trigger actions of face library monitoring task.
	Patrol plan	Added the All option when setting days of patrol plan.
	Human Body Snapshot	Addedthe Display Human Body Snapshot checkbox in Local Parameters tab.
	Face and related person data	Mixed traffic detection supports reportingperson data related to a detected face via Video&Image Database protocol.
	Static object detection	AddedStatic Object Detection checkbox in Smart > Advanced Settings. Static Object Detection is disabled by default. When enabled, a boundingbox shows around a static object that is detected for the first time.
Improved features	OSD characters	More OSD characters are supported.Domestic devices support 60 characters, and overseas devices support 40 characters. For domestic devices, the OSD may fail to show completely at a low resolution.
	Video watermark	In Video Watermark page, when Video Watermark is enabled, a message appears indicating that the watermark can be verified on EZPlayer.
	Log of SD card storage	AddedSD card storage related logs in diagnosis info.
	Video&Image Database	Supports setting as the protocol of Intelligent Server 1 and Intelligent Server 2 at the same time. Supportsconfiguration of report protocol. AddedNormalized Mode for coordinate mode configuration.
Deleted features	Friendly password	Removed the Friendly Password option on the web interface. Friendly password is disabled by default unless it's enabled in factory mode.

P11D2003：

Item	Feature	Description
Newly added features	Media stream	Add PS+UDP protocol in media stream management page.
	Add long connection mode	If the intelligent server is Video&Image Database, two connection modes are available: short connection and standard mode. Choose short connection when connecting to Uniview NVR and VMS, and standard mode for third-party platforms.
	Adaptive streams	Some devices support adaptive streams. (multi-channel models excluded)
	Alarm recordings saved in SD card differentiated in playback page	If recordings are saved on an onboard SD card, alarm recordings are highlighted in red on playback progress bar.
	Time sync	Support syncing time with cloud server.
	Mixed traffic counting	In Mixed-Traffic Detection, the counting statistics of motor vehicles, non-motor vehicles, pedestrians, and faces are available.
Improved features	Audio configuration	Audio input cannot be enabled with no audio channel enabled, and on-screen message that at least one audio channel must be enabled appears.
	Minimum system	Enters the minimum system in device startup error. User can still upgrade and maintain the device on the Web interface.
	Face capture filtering	Support filtering by face angle when capturing faces.
	Face and body association	Upload face and body association data when connecting to VMS via Video&Image Database protocol.
	PTZ speed	Add PTZ speed level and preset speed level configuration.
	Mixed-traffic object filtering	Filter out static objects in mixed-traffic detection.
	FTP default IP	The server IP of General FTP and Smart FTP change from 192.168.0.15 to 0.0.0.0.
Deleted features	None	None

P21D1911：

None.

P13D1911：

Item	Feature	Description
Newly added features	ANR of structured info	Camera on-board TF card supports ANR of structured info.
	RS485 Warm light control	Support warm light control through RS485.
	HTTPS	Device HTTPS stream conforms to ONVIF.
	IPv6	Device IPv6 stream conforms to ONVIF.
	New added models	IPC264EA-DZ28-H、IPC3234EA-DZ28-H
Improved features	Scramble	Both sub stream and third stream support video scrambling, so that all the triple streams support scrambling in H264/H265 mode.
	Version naming rules	Device version naming rules includes time information. Example: QIPC-B1203.11.10.200402.
Deleted features	Intelligent chain calculation	Remove intelligent chain calculation function from new industry products (and later products).

P20D1907：

Item	Feature	Description
Newly added features	Sync with cloud server time	Support syncing camera time with cloud server.
	GA/T1400 protocol	1、 Add a platform communication type: GA/T1400(DFWL). 2、 Server ID will be required when GA/T1400(DFWL) is selected. 3、 The camera gets online on the VM after the parameters are configured.
	TF card health status monitoring	Display memory card health index in Storage page if the TF card supports health monitoring.
	Longitude and latitude	1、 Add longitude and latitude settings in System > Device Info; add Device Latitude and Longitude Coordinates on OSD configurations page. 2、 For GPS-supported cameras, the coordinates on Device Info page can be configured on the condition that Sensing Data Source is set to Manual.
	Box camera lens	Support zoom and focus by motorized zoom lens control of P-ZOOM, P-FOCUS and P-IRIS.
	Improved people counting	Improve people counting, support Area People Counting and Tripwire People Counting.
Improved features	Intelligent server port	Intelligent server port range: 1-65535.
	Server port	Server port range changes from 80-65535 to 1-65535.
Deleted features	None	None

3 Version Upgrade Description

1. Version B5010D1510 supports normal upgrade.B5010D1510 and later versions cannot be downgraded to earlier versions, e.g., B5009D1509. If version downgrade is really required, contact our customer service staff.

2. Reversion to P10D1604 or earlier is not allowed once the firmware is upgraded to P12D1611 or later. Contact our technical support if reversion is necessary in an exceptional case.
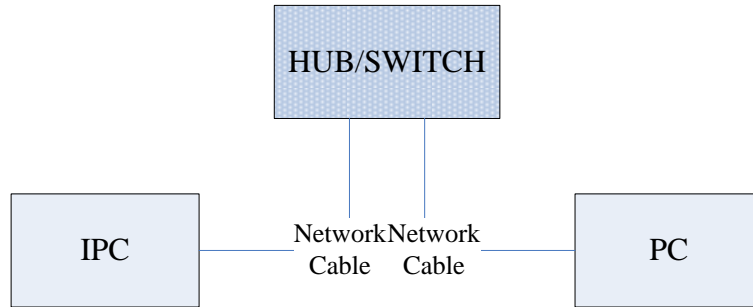
4 Version Upgrade Procedure

4.1 Upgrade Overview

4.1.1 Version Upgrade Environment

1. Network Architecturefor Upgrade

Figure1Network architecture

As shown in this figure, the version files are stored on the PC that is connected to the IPCs through the network.

4.1.2 Version Upgrade Modes

You can upgrade through the Web.

4.2 Upgrade Procedure

4.2.1 Upgrade Through the Web

(1) Log in to the Web interface as **admin** (default password: 123456).

(2) Click **Setup**>**Maintenance**>**Device Maintenance**. The **Device Maintenance** page is displayed.

(3) Click **Browse** in the **Firmware Upgrade** area. In the **Select** dialog box that appears, select the upgrade file package, for example, IPC_Q1201-XXXXX.zip, and then click **Open**.

(4) Click **Upgrade**. You cannot operate on other pages during the upgrade process.

(5) Wait till the upgrade is completed. A message appears to indicate successful upgrade and prompt you to log in again after the device restarts.

5 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.

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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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