QIPC-B2201.8.6.210304

Release Notes

Zhejiang Uniview Technologies Co., Ltd

QIPC-B2201.8.6.210304 Release Notes

Keywords: Version information, version upgrade

Abstract: This document provides detailed version information and upgrade procedure for QIPC-B2201.8.6.210304.

Acronym:

Acronym	Full Name
IPC	IP Camra

Content

1 Version Information

1.1 Version Number

QIPC-B2201.8.6.210304

1.2 Release History

Table1Released versions

Version No.	Basic Version No.	Released On	Remarks
QIPC-B2201.8.6.210304	QIPC-B2201.7.6.201102	2021-03-11	Improved release

1.3 Version Mapping Table

Table2Version mapping table

Product Mapping Item	Version No. (For External)
NVR	B3111.29.5.200318/B3605P10/B3401.18.30.200106/ B5201.3.16.200120/B1217.29.5.200318

Table3Product models table

Product Series	IPC Series
Series	**IPC6854SR**、**IPC6858SR**、**IPC3234EA**、**IPC3238EA**、**IPC264EA**、**IPC268EA**、**IPC7642ER**、**TIC6831ER**、**TIC7632EL**
Models	**IPC6854SR series:** IPC6854SR-X38UP-VC
	IPC6858SR series: IPC6858SR-X38UP-VC
	IPC3234EA series: IPC3234EA-HDZK
	IPC3238EA series: IPC3238EA-DZK
	IPC264EA series: IPC264EA-HDZK
	IPC268EA series: IPC268EA-DZK
	IPC7642ER series: IPC7642ER-X55U-VC
	TIC6831ER series: TIC6831ER-F50-4X38P
	TIC7632EL series: TIC7632EL-F75-2X55G
	IPC6854SL series: IPC6854SL-X40WUP-VC
Target file name	QIPC-B2201.8.6.210304.zip

2 Feature Change Description

P06D2009：

Item	Feature	Description
Newly added features	Fire detection on preset patrol	Fire detection is available in common patrol modes including preset patrol, route patrol, and recorded patrol on thermal cameras.
	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.
	One-IP registration	Supports one-IP registration via Onvif, displays two channels, and completes interconnection with VMS
	Privacy mask	The device supports mosaic mask for eight privacy areas on single image.
	Face recognition	Face library capacity increased from 10,000 to 100,000.
Deleted features	None	None

P03D2007：

Item	Feature	Description
Newly added features	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.
	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	1. Support downloading recordings in batches. 2. Support downloading a video clip.
	Home position	1. Added Orientation tab, providing Orientation and Home Position

		functions. a) 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 motor vehicle association	Supportsassociating motor vehicles with face snapshots and collecting associated face attributes.
	Face and related person data	Mixed traffic detection supports reportingperson data related to a detected face via Video&Image Database protocol.
	Auto calibrate	(All master devices supporting Master-Slave Linkage) Addedthe Auto Calibrate button in Master-Slave Linkage.
	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.
	New added models	IPC6854SL-X40WUP-VC
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	1. Supports setting as the protocol of Intelligent Server 1 and Intelligent Server 2 at the same time. 2. Supportsconfiguration of report protocol. 3. 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.
	Initial release	IPC7642ER-X55U-VC、TIC6831ER-F50-4X38P、TIC7632EL-F75-2X55G
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

P22D1911：

Item	Feature	Description
Newly added features	Face picture comparison	Add face picture comparison function for all the device supporting face detection.
Improved features	None	None
Deleted features	None	None

P12D1911：

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	PC3234EA-HDZK、IPC3238EA-DZK、IPC264EA-HDZK、IPC268EA-DZK
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.
	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

P12D1907：

Item	Feature	Description
Newly added features	Strong password login	IP camera requires a strong password 1. After default password is entered at first login, a pop-up window leads the user to change the password, and only accepts a strong password. 2. Requires the user to change password if a weak or medium password is used to login. 3. A strong password is required when changing password. 4. Friendly password mode is removed. 5. A strong password shall include at least nine characters comprising all three types: digits, letters, and special characters. Both uppercase and lowercase letters are supported. 6. The default password changes to 123456 (admin was supported previously).
	Alarm cleared	IP camera supports intrusion detection cleared and scene change alarm cleared Intrusion detection cleared: a red box shows after an object enters the area, and the box changes into green after the object leaves, and the camera reports alarm cleared. Scene change detection: after scene change is detected, the camera reports alarm cleared in 3 to 4 seconds.
	Mosaic privacy mask	Add mosaic in privacy mask style.
	BNC video OSD	Support OSD on BNC video. OSD info displays on the Web interface live view and BNC video simultaneously.
Improved features	Storage Policy page improved	Improved Storage Policy page: Off changes to Alarm Recording Only Manual Storage changes to Manual and Alarm Recording Planned Storage changes to Scheduled and Alarm Recording
	Alarm configuration page improved	Alarm configuration page of both Smart and normal alarms improved Separate Rule Settings, Trigger Actions and Plan settings in the configuration page.
	Post-Record time	The minimum Post-Record time changes to 5s. The minimum Post-Record time changes from 30s to 5s, and the maximum remains 1800s.
	Main stream resolution	The main stream resolution can be changed independently Previously, to change the resolution of main stream, the user should change the Capture Mode. Currently the resolution can be changed in the Resolution drop down list. When connecting to a third-party platform, the resolution can also be changed on the platform.
Deleted	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.
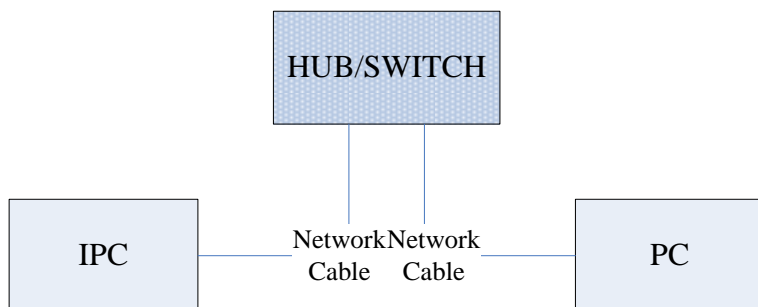
4 Version Upgrade Procedure

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.

Firmware Upgrade

Upgrade File [_____] [Browse...] [Upgrade] ☐ Upgrade Boot Program

Device Restart

[Restart   ]   Restart the device.

☐ Enable Auto Restart   [Each Day ▾] [02:00:00 ⏱]   [OK   ]

Config Management

[Default   ]   Keep current network and user settings and restore other settings to defaults.

Importing [_____] [Browse...] [Import]

Exporting [C:\Users\Desktop\tftp_____] [Browse...] [Export]

Diagnosis Info

Storage Path [C:\Users\MyLocalFiles\Debug_____] [Browse...] [Download]

(3)   Click **Browse** in the **Firmware Upgrade** area. In the **Select** dialog box that appears, select the upgrade file package, for example, IPC_Q2201-XXXXX.zip, and then click **Open**.

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

Maintenance

Firmware Upgrade

Upgrade File [C:\Users\Desktop\tftp\IPC_G6102-B5005D1509.zip] [Browse...] [Upgrade] ☐ Upgrade Boot Program

Device Restart

[Restart   ]   Restart the device.

☐ Enable Auto Restart   [Each Day ▾] [02:00:00 ⏱]   [OK   ]

Config Management

[Default   ]   Keep current network and user settings and restore other settings to defaults.

Importing [_____] [Browse...] [Import]

Exporting [C:\Users\Desktop\tftp_____] [Browse...] [Export]

Diagnosis Info

Storage Path [C:\Users\MyLocalFiles\Debug_____] [Browse...] [Download]

(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.