QIPC-B1203.15.6.210108

Release Notes

Zhejiang Uniview Technologies Co., Ltd

QIPC-B1203.15.6.210108 Release Notes

Keywords: Version information, version upgrade

Abstract: This document provides detailed version information and upgrade procedure for QIPC-B1203.15.6.210108.

Acronym:

Acronym	Full Name
IPC	IP Camra

Content

1 Version Information

1.1 Version Number

QIPC-B1203.15.6.210108

1.2 Release History

Table1Released versions

Version No.	Basic Version No.	Released On	Remarks
QIPC-B1203.15.6.210108	QIPC-B1203.13.2.201010	2021-01-15	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	IPC3238SR3、IPC3638SR3、IPC2328SBR5、IPC6258SR、IPC868ER、IPC7622ER、IPC7622EL
Models	**IPC3238SR3 series:** IPC3238SR3-DVPZ
	IPC3638SR3 series: IPC3638SR3-DPZ
	IPC2328SBR5 series: IPC2328SBR5-DPZ
	IPC6258SR series: IPC6258SR-X22DUP
	IPC868ER series： IPC868ER-VF18-B
	IPC7622ER series： IPC7622ER-X44U
	IPC7622EL series： IPC7622EL-X55UG
Target file name	QIPC-B1203.15.6.210108.zip

2 Feature Change Description

P06D2009：

Item	Feature	Description
Newly added features	IPv6	Supports IPv6 DHCP and basic functions (live view, audio, snapshot) based on IPv6.
	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.
	Auto tracking	76 series PTZ cameras now support automatic tracking and alarm-triggered tracking.
Improved features	Privacy mask	The device supports mosaic mask for eight privacy areas on single image.
Deleted features	None	None

P02D2007：

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	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.
	Patrol plan	Added the All option when setting days of patrol plan.
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.
	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.
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.
	PTZ speed	Add PTZ speed level and preset speed level configuration.
	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.

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.
	Add split mode to fisheye camera	Add split mode and dewarping angle to 4K fisheye camera. In ceiling or desktop mounting mode, and panoramic display mode, 4K fisheye camera supports Horizontal and Vertical spilt mode, and 0~90° dewarping angle.
	NAS image storage	Support NAS storage of images. In factory defaults, 85% of NAS capacity is allocated to video and 15% to images.
	HTTPS	Device HTTPS stream conforms to ONVIF.
	IPv6	Device IPv6 stream conforms to ONVIF.
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).

P22D1907：

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.
	Initial release	IPC7622EL-X55UG
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

P31D1904：

None.

P20D1904：

None.

P10D1904：

Item	Feature	Description
Newly added features	PPPoE	Display the obtained IP address in PPPoE mode.
	SD Card	Support image storage to SD card: 1、By default, 20% of the SD card capacity is allocated for image storage. 2、Support the storage of scheduled snapshots and snapshots taken at set interval. 3、Support the storage of alarm triggered snapshots. 4、In Photo page, snapshots and smart snapshots are displayed in different directories.
	Port mapping	Add manual port mapping 1、Mapping mode includes UPnP and Manual. 2、The UPnP mapping mode includes Auto and Manual. The port cannot be configured in Auto UPnP mapping mode. 3、If the mapping mode is Manual, only port configurations are displayed. 4、If port mapping is disabled, all configurations will be hidden.
	Functions without plugin	1、Support H.265 video and G.711U audio without plugin. 2、Display the status such as server status, SD card status, and port mapping status when the camera is operated on another web client.
	NAS	Support NAS storage : 1、NAS and SD card are available as the storage medium. 2、After configuring NAS server, the configurations must be saved before the server can be used.
	Fisheye PTZ	The PTZ reset functions as follows: 4K fisheye camera supports saving and restoring the PTZ position when the camera is powered down or reset. Add PTZ Reset button, which is available when the Display Mode is set to Fisheye+4PTZ. When PTZ positions change, click the button to restore the original default position.
Improved features	Running time	Support clearing the accumulated running time of the camera on NVR.
Deleted features	None	None

P30D1812：

Item	Feature	Description
Newly added features	Initial release	IPC7622ER-X44U
Improved features	Log	Includes IR cut switch count in logs to facilitate judgment on its service life.
Deleted features	None	None

P20D1812：
None.

P10D1812：

Item	Feature	Description
Newly added features	Illegal login lock	Add illegal login lock on the Web interface. When enabled, the account will be locked after 5 consecutive wrong passwords.
	NTP server port	NTP server port configurable.
	Add trigger action for intelligent functions	Add SD card storage in alarm trigger actions.
	SDDP	Add **SDDP** and **Identify** settings in **Demo** page.
	Refresh **Storage** page	**Storage** page refreshes after the storage medium is formatted.
Improved features	Intelligent snapshot	The resolution of intelligent functions triggered snapshots can be configured.
Deleted features	None	None

P30D1809：

Item	Feature	Description
Newly added features	Dewarping	Add dewarping function（except for fish eye equipment）
Improved features	None	None
Deleted features	None	None

P20D1809：

Item	Feature	Description
Newly added features	New added models	IPC6258SR-X22DUP
Improved features	None	None
Deleted features	None	None

P10D1809：

Item	Feature	Description
Newly added features	Alarm report to EZVMS over WAN	Alarm report to EZVMS over the WAN.
	Old password required when changing password	Old password is required when changing user password.
	SSL certificate signature algorithm change	The signature algorithm for SSL certificate changes from SHA-1 to SHA-2.
	QoS	Support QoS.
	Open source software licenses	Add open source software licenses on the Basic Info page of Web interface.
Improved features	Record IP and port of operation source in logs	When configuring or managing IPC on platform, NVR or IPC Web interface, the IP address and port number of the operation source will be recorded in IPC logs.
Deleted features	None	None

P30D1806：
None.

P20D1806：

Item	Feature	Description
Newly added features	Privacy policy	Show privacy policy at user's first login.
Improved features	None	None
Deleted features	None	None

P10D1806:

Item	Feature	Description
Newly added features	Onvif Profile T	Profile T supported.
Improved features	Add device by scanning without cloud account	With a strong device password, Quick Add allows you to add device by scanning QR code without a cloud account.
	Improved people counting&face detection configuration	1、 In people counting configuration, the improved interface allows you to set the max. /min.　object size by drawing. 2、 Inface detection configuration,the improved interface allows you to set themin. pupillary distance by drawing.
Deleted features	None	None

D1806:

Item	Feature	Description
Newly added features	None	None
Improved features	Four-corner frame for face detection	The face detection frame is changed from full frame to four-corner frame.
	Add condition of use for U-Code	When the capture mode is more than 30 frames per sec, U-Code cannot be configured for main stream, sub stream and third stream.
	More live view channels	Up to 35 concurrent live view windows are supported on the same PC.
Deleted features	Delete face tracking line	After enabling face detection and intelligent mark, the target is tracked by detection frame, with the tracking line deleted.

P30D1803:

None.

P20D1803:

Item	Feature	Description
Newly added features	Live view without plugin	Play H.264 video without plug-in.
	New port mapping type	Added the HTTPS port on the port mapping page .
	New protocol	SNMP
Improved features	SD card recording playback	Fast forward/rewind, and control progress by dragging the timeline.
Deleted features	None	None

P10D1803:

Item	Feature	Description
Newly added features	Voice tracking for fisheye	Voice tracking is now available on the Web for fisheye cameras: the image nearest to the sound source is highlighted with red borders on the screen.
	New smart features	Object left behind and object removed.
	New add model	IPC868ER-VF18-B
Improved features	Snapshot resolution	Snapshot resolution selectable.
Deleted features	Duration	Deleted the Duration parameter from the Motion Detection page.
	Original Image Clarity	Original Image Clarity is deleted from image parameters.

P30D1711：
Solve the known problems

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.
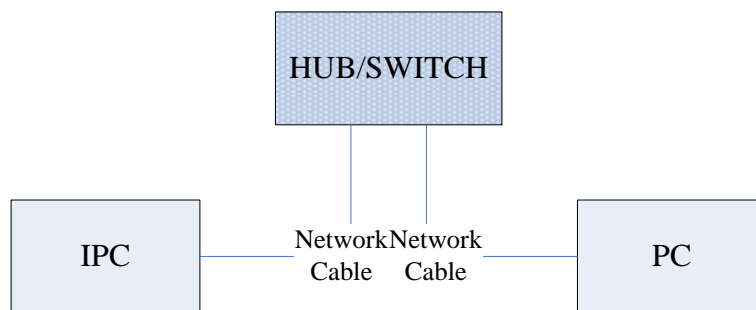
4 Version Upgrade Procedure

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_Q1203-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.