

HCMN-R2103.28.31.201120

Release Notes

Zhejiang Uniview Technologies Co., Ltd

HCMN-R2103.28.31.201120 Release Notes

Keywords: Version information, version upgrade

Abstract: This document provides detailed version information and upgrade procedure for HCMN-R2103.28.31.201120.

Acronym:

Acronym	Full Name
IPC	IP Camra

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1 Version Information

1.1 Version Number

HCMN-R2103.28.31.201120

1.2 Release History

Table 1 Released versions

Version No.	Basic Version No.	Released On	Remarks
HCMN-R2103.28.31.201120	HCMN-R2103.28.11.200423	2020-12-29	Improved release

1.3 Version Mapping Table

Table 2 Version 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

Table 3 Product models and corresponding versions

Product Series	IPC Series
Series	IPC6252SR,IPC6253SR, IPC252ERA, IPC6252SFW, IPC6222ER, IPC6222EI , IPC6252SL, IPC6852SR
Models	IPC6252SR Series: IPC6252SR-X22U、IPC6252SR-X22UG、IPC6252SR-X33U
	IPC6253SR Series: IPC6253SR-X33
	IPC6252SFW Series: IPC6252SFW-X22U
	IPC252ERA Series: IPC252ERA-X22DUG、IPC252ERA-X22DUP
	IPC6222ER Series: IPC6222ER-X20P-B、IPC6222ER-X20-B、IPC6222ER-X30P-B IPC6222ER-X30-B、IPC6222E-X33UP
	IPC6222EI Series: IPC6222EI-X33UP
	IPC6252SL series: IPC6252SL-X33UP
	IPC6852SR series: IPC6852SR-X44U、IPC6852SR-X38UG
Target file name	HCMN-R2103.28.31.201120.zip

2 Feature Change Description

P30D1911:

Item	Feature	Description
Newly added features	None	None
Improved features	Video frame rate	Overseas IPC6222ER series dome cameras support 2MP@60fps
Deleted features	None	None

P11D1911:

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.
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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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.
	Language options	Provides multiple language options on the login page.
	Box camera lens	Support zoom and focus by motorized zoom lens control of P-ZOOM, P-FOCUS and P-IRIS.
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	<p>IP camera requires a strong password</p> <ol style="list-style-type: none"> 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	<p>IP camera supports intrusion detection cleared and scene change alarm cleared</p> <p>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.</p> <p>Scene change detection: after scene change is detected, the camera reports alarm cleared in 3 to 4 seconds.</p>
	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	<p>Improved Storage Policy page:</p> <p>Off changes to Alarm Recording Only</p> <p>Manual Storage changes to Manual and Alarm Recording</p> <p>Planned Storage changes to Scheduled and Alarm Recording</p>
	Alarm configuration page improved	<p>Alarm configuration page of both Smart and normal alarms improved</p> <p>Separate Rule Settings, Trigger Actions and Plan settings in the configuration page.</p>
	Post-Record time	<p>The minimum Post-Record time changes to 5s.</p> <p>The minimum Post-Record time changes from 30s to 5s, and the maximum remains 1800s.</p>
	Main stream resolution	<p>The main stream resolution can be changed independently</p> <p>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.</p>
Deleted	None	None

P31D1904:

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.
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	None	None
Improved features	Log	Includes IR cut switch count in logs to facilitate judgment on its service life.
Deleted features	None	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
Improved features	None	None
Deleted features	None	None

P20D1809:

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	<ol style="list-style-type: none"> 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

P01D1806:

Item	Feature	Description
Newly added features	Add One-Click Focus (Locked) in Focus Mode	For camera modules, add One-Click Focus (Locked) in Focus Mode; when the image scene is changed to Road Highlight Compensation (HLC), One-Click Focus (Locked) is the default option.
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	New smart features	Object left behind and object removed.
Improved features	Cross line detection	Lower false alarm rate in cross line detections.
	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.

P20D1711:

Item	Feature	Description
Newly added features	Ucode	Sub and third streams support U-code.
	Image collection	Added 720P for 2MP models, and 960P for 3MP models.
Improved features	None	None
Deleted features	None	None

P11D1711:

Item	Feature	Description
Newly added features	Operation status	1.Deleted edge storage info on the Basic Info page. 2.Added storage resource status info on the Storage page to display different SD card status such as "No card, Normal, Uninitialized, Fault".
Improved features	People counting	Added statistical type settings and support the counting of people entered and left.
Deleted features	Password	Removed the Save Password setting on the login page.

3 Version Upgrade Description

- 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.
- 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.

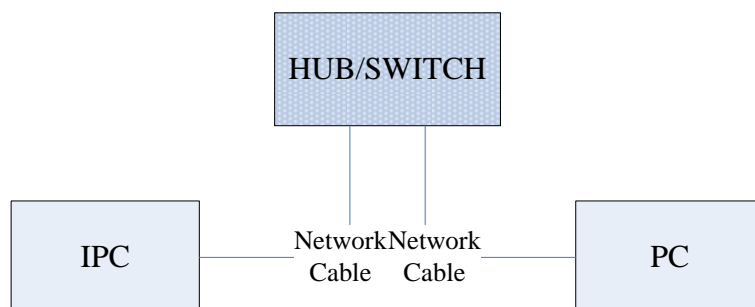
4 Version Upgrade Procedure

4.1 Upgrade Overview

4.1.1 Version Upgrade Environment

1. Network Architecture for Upgrade

Figure 1 Network 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 **System > Maintenance**. The **Maintenance** page is displayed.

Firmware Upgrade
 Upgrade File Upgrade Boot Program

Device Restart
 Restart the device.
 Enable Auto Restart

Config Management
 Keep current network and user settings and restore other settings to defaults.
 Importing
 Exporting

Diagnosis Info
 Storage Path

- (3) Click **Browse** in the **Firmware Upgrade** area. In the **Select** dialog box that appears, select the upgrade file package, for example, IPC_HCMN2103-XXXXX.zip, and then click **Open**.
- (4) Click **Upgrade**. You cannot operate on other pages during the upgrade process.

Maintenance

Firmware Upgrade
 Upgrade File Upgrade Boot Program

Device Restart
 Restart the device.
 Enable Auto Restart

Config Management
 Keep current network and user settings and restore other settings to defaults.
 Importing
 Exporting

Diagnosis Info
 Storage Path

- (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.