

35 Series Camera Firmware

Release Notes

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Modification History

No.	Release note Date <mm/dd/yy>	Changes made	Author	Reviewers
1	02/28/2022	First release	Henry	
2	11/04/2022	Fix bug, Improvement, New feature	Henry	
3	01/16/2023	Improvement	Henry	
4	10/31/2023	New feature, Improvement, issues fixing	Sheng Li	
5	03/24/2025	Fix bug, Improvement, New feature	Henry	
6	04/12/2025	Fix bug	Henry	
7	07/28/2025	Fix bug, Improvement	Henry	
8	08/28/2025	Fix bug, Improvement	Henry	
9	02/07/2026	Fix bug, Improvement, New feature	Henry	

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Firmware Release Document

Release Notes

Product Name:	Miracle 35 Series Camera 5MP IPC
Product Model:	HC35W45R3、HC35W45R2、HC35WB5R3、HC35WB5R2、HC35WE5R3、HC35WE5R2、HC35W25R3
Version Number:	HC5.26.1.14.20260207
Release Date:	2026-02-07

Note: it is not allow to downgrade to 20250828 version after camera upgrade to this new 20260207 version.

Firmware Version Information (File name)

	Version	File name	Check Sum (SHA256)
Software Version	HC5.26.1.14.20260207	HON_Honeywell_Series35-5MIPC-HC35WX5RX_HC5.26.1.14.20260207.bin	B55E1663FE03456109DA242024D46897ACADC7D2BA4F07B07A4D0D309DAD2D88

Cyber security updates

This version supersedes all previous version of 35 Series Camera. Those olde versions will no longer receive cyber update. To Keep up to date with the latest cyber updates, please install this version as soon as practical.

What's New Feature and Fixed Issue List

Build date: 2026-02-07

No.	Modification information	Type
1	Add verification for the alarm interval of IPC cameras motion detection in the backend	Improvement
2	Cyber Security improvement.	Improvement
3	Update encoding lib, to avoid the issue where the 3rd streaming cannot be restarted due to the internal BUFFER not being released by the encoder.	Improvement
4	Change the default encryption options for the SNMP to SHA256 and AES256.	Improvement
5	Update ONVIF ExpectedDowntime to 15min for upgrade firmware in milestone. (CSCE-54905)	Improvement
6	Stop the Socket when RTSP stops.	Improvement
7	Update 2A lib, to fix bug where the lens zoom in to max focal length and cannot be zoomed after upgrading to new firmware (CSCE-55006)	Fix bug
8	Fix bug of unnormal display or sound after switching audio frequency. (CSCE-54883)	Fix bug

9	Fix the bug that 3MP camera still trigger audio alarm when audio support is not available	Fix bug
10	Add Series Number display in webpage and onvif.	New feature
11	Improve snmp trap feature	Improvement
12	Fix bug: memory leak issue when enable VA and set syslog without connecting to server.	Fix bug
13	Fix bug: update translation of “no support to downgrade firmware”	Fix bug
14	Add online user display page.	New feature
15	Add PEAP for 802.1x	New feature
16	Add hostname for DHCP, then user can visit camera via hostname.	New feature
17	Improve upgrade progress to solve some crash issue.	Improvement
18	Remove auto DDNS	Improvement
19	Fix bug: Camera displays the IP with 0.0.0.0 to avoid messy code when fails to get the IP address under port mapping,	Fix bug
20	Fix bug: fix the Milestone offline issue with general user.	Fix bug
21	Camera will display the device name and protocol name after enabling port mapping function.	New feature

Build date: 2025-08-28

No.	Modification information	Type
1	Fix bug: Alarm output action time is not working immediately before a reboot	Bug fixed
2	Cyber Security improvement.	Improvement
3	Improve digest process.	Improvement

Build date: 2025-07-28

No.	Modification information	Type
1	Fix bug: Failed to save parameter of 802.1x	Bug fixed
2	Fix bug: Failed to save parameter of FTP, and transmit picture unnormal.	Bug fixed
3	Fix bug: some error on OSD display	Bug fixed
4	Fix bug: SMTP port no use for some port.	Bug fixed
5	Update DDNS config.	Improvement
6	Fix bug: UT is not able to upgrade camera fw sometimes.	Bug fixed
7	Improve HTTP and RTSP encryption.	Improvement
8	Fix bug: setting to default for streaming and OSD when changed PAL/NTSC.	Bug fixed
9	Fix bug: HC35WX3RX is not able to focus sometimes.	Bug fixed
10	Improve 802.1x feature.	Improvement
11	Improve Pan/Tilt speed of PTZ camera in tele end.	Improvement
12	Fix bug: DNS is not changed when changed DHCP from IPv4 to IPv6.	Bug fixed
13	Fix bug: No streaming under bad network situation.	Bug fixed
14	Cyber Security improvement	Improvement

15	Fix issue: error message when login camera web page after user's password time out which created by ODM	Bug fixed
16	Improve privacy mask cover correct area.	Improvement
17	Improve horizontal coordinate unnormal when reboot camera by upgrade p/t/z program V3.02.	Improvement
18	Improve camera upgrade failed if power off during upgrading process.	Bug fixed
19	Fix bug: 3M camera is not able to upgrade due to limited flash.	Bug fixed
20	Fix bug: system time zone is not UTC-0.	Bug fixed
21	Fix bug: camera can't acquire DHCP IP under IPv6.	Bug fixed
22	Fix bug: PTZ can't goto home first time after reset camera.	Bug fixed
23	Improvement: update to support Onvif 24.12.	Improvement
24	Fix bug: camera will restart after onvif restart sometimes.	Bug fixed
25	Fix bug: it is not audio timestamp increasing when RTSP replay.	Bug fixed
26	Fix bug: NFR failed sometimes when RTSP re-connecting frequently.	Bug fixed
27	Improve warning message when password lockout.	Improvement
28	Fix bug: upgrade failed when it is connected with IPv6 through onvif.	Bug fixed
29	Fix bug: Add privacy mask through Onvif.	Bug fixed
30	Fix bug: add home position for VA setting.	Bug fixed
31	Support STQC	New Feature

Build date: 2025-04-12

No.	Modification information	Type
1	Fix bug: Triggering scene change alarm during switching day night. <Add hold time for Scene change>	Bug fixed
2		

Build date: 2025-03-24

No.	Modification information	Type
1	Fix the issue: no metadata data under H.265 settings.	Bug fixed
2	Fix the issue: triggering alarms when calling preset positions in scene change detection alarm.	Bug fixed
3	Fix the issue: it is only 12fps max in stream3.	Bug fixed
4	Fix the issue: memory leakage in scene change.	Bug fixed
5	Fix the issue: the log display messy code when failure login.	Bug fixed
6	Fix the issue: unable to turn on the audio after prolonged web usage.	Bug fixed
7	CSCE-39374: Update HC35WB3R2/HC35W43R2/HC35WE3R2/HC35W25R3 FOV.	Improvement
8	CSCE-38413: Update VAUG.	Improvement
9	CSCE-38370: Add the hardware version in information.	New feature
10	CSCE-38342: Update 2A to fix the issue of the color of the video image is abnormal.	Improvement
11	CSCE-38215: Update the traditional Chinese.	Bug fixed
12	Fix the issue of the log has been deleted after reboot.	Bug fixed
13	Remove 3322_ddns in DDNS service.	Improvement
14	Remove Russian from the login interface language list.	Improvement

15	Cyber Security improvement	New feature
16	Add SNTP function.	New feature
17	Add OSD display for PTZ.	Bug fixed
18	Fix the issue of being unable to login to the web in IPV6 mode.	Bug fixed
19	Fix the issue of no data return when accessing Maxpro.	Bug fixed
20	Fix the issue of OSD residue in people counter function.	Bug fixed
21	Fix the issue of audio playback even after IO alarm stops.	Bug fixed
22	Fix the issue where the frame rate reported by ONVIF does not match the web.	Improvement
23	Optimize RTSP retransmission issue and fix the issue of recording gap in Maxpro.	Bug fixed
24	Fix the issue of WEB parameter retrieval failure when set SMTP and 802.1x to 32 chars username and password.	Bug fixed
25	Fix the issue of memory leakage in the input box.	Bug fixed
26	Fix issues related to the wizard interface.	Bug fixed
27	Log design improvement.	Improvement
28	Fix bug: No streaming video when audio is turned on in multi-channel mode.	Bug fixed
29	Fix the issue: sending of motion detection alarm twice a time.	Improvement
30	Exclude special characters when Modify host verification.	Bug fixed
31	Fix the issue: unable to switch 50/60fps in some devices.	Bug fixed
32	Add bonjour off/on button in GUI	Improvement

Build date: 2023-10-31

No.	Modification information	Type
1	Add Tripwire	New feature
2	Add PTZ auto tracking	New feature
3	Add alarm interval option for IVS	New feature
4	Idle time action/Power up action/Patrol name update	Improvement
5	Genetec integration protocol update for EU	Improvement
6	Update VA guide	Improvement
7	CSCS-13565 Support configure with the different image profile	Issue fixed
8	PTZ alarm trigger patrol issue (go back to home position after alarm stop)	Issue fixed
9	Cyber Security improvement	Improvement

Build date: 2023-01-16

No.	Modification information	Type
1	Improve sensor driver capability to reduce defect rate of image in production.	Improvement

Build date: 2022-11-04

No.	Modification information	Type
1	Prevent camera downgrade to the old firmware with not support model.	Bug Fixed
2	For 8M IPC, limited max 1000 recording contents when searching due to the insufficient hardware performance.	Improvement

3	Fix the issue that PTZ does not move horizontally and moves vertically when integrate Milestone 3D positioning function	Bug Fixed
4	Support and merge HC35WZ5R30W, HC35WLB8R2, HC35WB5R5 into one firmware.	New feature
5	Improve it only enable EIS after PTZ stop movement. CSCE-1578	Improvement
6	Change All Camera's I frame interval from 3s to 4s. VDRT-6646	New feature
7	HC35WB5R5 add EIS function	New feature
8	HC35WB5R5 add 50/60fps(without WDR)@2M mode	New feature
9	Fix the issue of devices disconnect from HEN4 NVR frequently	Bug Fixed
10	Improve to reduce false alarm in 5M/8M SMD and Intrusion false when multiple targets exist at the same time, CSCE-1709 、VDRT-8086 、CSCE-7796	Improvement
11	Update day/night switch description with Smart IR in webpage. VDRT-8096	Improvement
12	Optimized noise reduction of audio. VDRT-6431 、VDRT-6423	Improvement
13	Improve image quality of over exposure when turn on IR Led in near place for 4k bullet.VDRT-8096	Improvement
14	Add audio to SD card recording. VDRT-6582 、VDRT-6581 、VDRT-6579	Bug Fixed
15	PTZ camera tamper does not restricted by HOME position. VDRT-6705	Bug Fixed
16	Fix the problem of deviation of privacy mask caused by modifying resolution, CSCE-61	Bug Fixed
17	Change only 4k bullet (HC35LB8R2) default setting, set I frame interval 50/60, and VBR Max bitrate 4096 kbps with 25/30fps under H.265 for improve image performance with moving object	Improvement
18	Fix redirection issue when http and https are not default ports. CSCE-1696	Bug Fixed
19	Fix the problem of returning to the HOME position when zoom out after turning on Idle, CSCE-76	Bug Fixed
20	Add 'Open VA User Guide' button in web VA page, click to open VA UG <Honeywell 35 Series Camera Video Analytics User Guide.pdf>	Improvement
21	Optimize the upload certificate logic, verify first and then save	Improvement
22	Optimize the motion blur (ghost image) at low gain of 25x PTZ, VDRT-8106	Improvement
23	Merge PTZ movement (Preset/Recording & Preset Patrol/Scan) OSD and PTZ position OSD to PTZ option in OSD tab.	Improvement
24	Adds one more custom OSD line in web	New feature
25	Added right top and right bottom options for OSD position.	New feature
26	Supports two RTSP streaming commands (live1s1.sdp and live/1/1), and add rtsp url in the web	New feature
27	Change the label "Defense Time" to "Schedule" in all UI	Improvement
28	Add tips for the microphone function, by adding prompt message when multiple enabled (CSCE-155)	Improvement
29	Change People Counter to Crowds Detection	Improvement
30	Resolved the issue that screen display black while click iris decrease from MaxPro NVR for PTZ camera. CSCE-155	Bug Fixed
31	Resolved the issue that area offset after set up privacy mask in resolution 1920*1080 and 1280*720. CSCE-61	Bug Fixed
32	Support Metadata & Bounding box for VA through onvif, and support VA configuration from 35NVR, CSCE-133	New feature
33	Improve SMD/Intrusion function same as 60 cameras. Change detection area of SMD to 6 areas, and intrusion to 1 area.	New feature
34	Improve image quality of the camera	Improvement

35	Add new feature that detection area ID display in SMD/Intrusion/Multi loitering in configuration page	New feature
36	Update image library to enable anti-overexposure for 8M cameras	Improvement

Build date: 2022-02-28

No.	Modification information	Type
1	First release	First release

Un-implemented Features or Functions

No.	Un-implemented Features or Functions	Type
1		
2		
3		
4		
5		

Test Report

Test report was included in test summary