
Product Name: < CC9381-HV >
Release Version: < 2.2201.13.03g >
Date: < 2023/12/29 >
Product Type Camera NVR Software

New Feature:

- Added support for SRTP on Genetec Security Center.
- Added support Genetec Certificate Management. (Genetec SC#5.11 or above)
- Enhanced SD card format mechanism.
- Support Pixel calculator on the image configuration page.
- Support SFTP client.
- Support Camera link.

Changed Feature:

- Enhanced SD card format mechanism.
- Enhanced the Day/Night sensitivity wording.
- Change self-signed certificate validate default period from 825 to 397 days.
- Enhanced PTZ control panel on the home page.
- Upgrade OpenSSH version to 8.4.
- Change video codec wording from JPEG to MJPEG.
- Removed support Event Control Tunnel.

Bugs Fixed:

- Fixed an issue of occasional system hang-ups and subsequent camera restarts that occur when the camera is configured in H.265 mode.
- Corrected the issue where the cameras were suddenly not displaying live view video on the NVR's screens.
- Fixed the timezone Sydney can not set DST.
- Fixed the issue where exposure customization loses effectiveness upon reboot.
- Fixed the RTSP fail and recorded loss when rotating LiveView pages locally.
- Fixed an issue when adding the H.265 streaming into third-party software, the image can not show completely.
- Fixed the timezone of Santiago.
- Enhanced the password verification process.
- Improved cyclic mechanism.
- Fixed the recording of SD card can not delete even if enabling the auto clean up function.



- Fixed the audio abnormality when changing to AAC.
- Enhanced the AAC audio mechanism.
- Fixed the firmware upgrade failed by a third-party device through the ONVIF protocol.
- Fixed the event with night motion still keeps triggering when the camera is back to day mode.
- Fixed cannot send motion events to Genetec after a period of time.
- Fixed Security Center authorization fails when the network is unstable.
- Fixed devices stopped sending Genetec motion events after an SD card error.
- Fixed an issue where the camera was sending abnormal frames, causing black screens, hang-ups, and video shaking on the NVR side.
- Fixed the issue where the camera was unable to send the RTSP stream to the QNAP server.

Relevant module and package information:

- Web API Version 0319a
- VADP Version 1.5.1.0
- Genetec Protocol Version 2.2.5.0
- Trend Micro PKG Version 1.1b.a1.9.1
- Stratocast PKG Version 1.1b.a1.6.0
- VIVOCloud PKG Version 2.1.0.23
- ONVIF Version 21.06

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- N/A

Release Version: <2.2002.13.01x>

Date: <2023/9/22>

New Feature:

- N/A

Changed Feature:

- N/A



Bugs Fixed:

- Enhanced the firmware mechanism.

Relevant module and package information:

- Web API version 0314c_4
- VADP version 1.4.3.1
- Trend Micro pkg version 1.1b.a1.8.3
- Genetec Protocol version v2.1.1.2
- Onvif version 19.12
- Stratocast Package 1.1b.a1.5.1
- VIVOCloud v2.1.0.23

Known Issue:

- N/A

Limitation:

- N/A

Important Notice:

- The new firmware version has a major structure change and does not support firmware downgrades. Please be aware that once you upgrade to firmware versions (2.2002.13.01x) or (2.2002.13.01v) or (2.2002.13.01r), it will not be possible to revert to any previous firmware version, including (2.2002.13.01j) or any earlier versions. We recommend careful consideration before proceeding with any firmware updates to ensure compatibility with your requirements.

Release Version: <2.2002.13.01v>

Date: <2022/07/22>

New Feature:

- N/A

Changed Feature:

- N/A

Bugs Fixed:

- Resolve cameras that cannot connect to the internet after the software reboot.



Relevant module and package information:

- Web API version 0314c_4
- VADP version 1.4.3.1
- Trend Micro pkg version 1.1b.a1.8.3
- Genetec Protocol version v2.1.1.2
- Onvif version 19.12
- Stratocast Package 1.1b.a1.5.1
- VIVOCloud v2.1.0.23

Release Version: <2.2002.13.01r>

Date: <2021/9/29>

New Feature:

- N/A

Changed Feature:

- N/A

Bugs Fixed:

- Enhanced authentication mechanism.
- Fixed the camera auto reboot under certain conditions.
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Relevant module and package information:

- N/A
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Release Version: <2.2002.13.01j>

Date: <2020/12/21>

New Feature:

- Support Stream profile.
- Support new FW naming rule.
- Support IGMP v3 protocol for communication with Milestone.
- Support Profile T for single channel.
- Support PIM-SSM for Onvif.
- Support POSIX TZ on customize time zone setting.
- Support to setup the start and end time on daylight saving time format of POSIX TZ.
- Support to show the stream profile source on recording setting page.



- Add password description on the configure page.
- Support VIVOCloud 2.1.0.23 function.

Changed Feature:

- Upgrade ONVIF version to 19.12.
- Upgrade VADP version to 1.4.3.1.
- Upgrade Web API veriosn to 0314c.
- SMART SD Support Micro sd 512/1024 GB
- Upgrade Genetec versioento 2.1.1.2.
- Modify the editaccount.cgi defination.
- Change the password character length from at least 8 characters to 8~64 characters.
- Change the video clip source of event setting and recording setting from streaming mode to profile base.
- Remove the export/upload DST function.
- Remove upload_dst.cgi and exportDst.cgi.
- Upgrade Trend Micro version to 1.1b.a1.8.3.
- Remove Anonymous viewing function on the IE.
- Remove URL remove network_http_anonymousviewing and network_rtsp_anonymousviewing
- To change the first character of media profile2 name should be capitalized.
- To keep all the log inforamtion even if the camera restart.
- Change the self-signed certificate validity default period from 3650 to 825 days.
- Enable the set parameter log by default.
- Remove ECDHE-RSA-AES256-SHA and ECDHE-RSA-AES128-SHA ciphers.
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* When you configure the view angle of a regional view to the top or to the bottom on local dewarp 1R or 4R mode , the image will be part black.

*** Please note that this version has a major structure changed once upgrade to this firmware version, it does not allow downgrading to the previous firmware version.**

Bugs Fixed:

- Improved the firmware upgrade procedure.
- Fixed the focus bar go to the last left side when adjusting the zoom bar.
- Fixed the daylight saving time configuration can not upload.
- Fixed the profile mode can not trigger when adjusting the motion window or item size on the motion detection profile mode.



- Fixed can not trigger the profile mode when the motion detection set up on schedule mode.
- Fixed the profile motion window can not trigger after modifying the motion window.
- Fixed the motion is not working when the previous motion window was be deleted.
- Fixed the camera and NTP server will have time difference after synchronization.
- Fixed can not playback on VIVOCloud when login the same VIVOCloud account more than one mobile device.
- Fixed can not playback the old recording on content management when an upgrade to the new firmware version.
- Fixed the event send snapshot image abnormal when FOV is setup on H.265 4-Megapixel and enable rotate.
- Fixed CVE-2018-20679 & CVE-2019-5747
- Fixed the black image and 401 unauthorized issues.
- Fixed cannot search the file which continues recording in SD card on the content management page.
- Fixed the default service name is not custom model name after restore to default.
- Fixed the camera and NTP server will have time difference after synchronization.
- Fixed an issue when camera time sync to PC and then upgrade the firmware, the time will go back to original.
- Fixed changing the custome model name will fail if the camera extended modelname includes "[" or "]".
- Fixed the vadp_module_number value is incorrect when the VADP package is removed two times.
- Fixed the vadpctrl.cgi start/stop/remove will not include \r\n between the head and body.
- Fixed an issue when running hyperlink on smart VCA package, the log will record into system log not save to VADP log.
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- Fixed the SNMP function only can work a period of time and then shows cannot create socket on a log.
- Fixed an issue when uploading the package fails, the camera will not return the correct error code.
- Fixed an issue when the package installs in the SD card, the package will be removed from package list.
- Fixed an issue when the camera setup on rotate and send the GetMaxResolution API to get the resolution, it would not show the rotate image.
- Fixed the image abnormal when enabling the flip/ mirror and change the local dewarp mode to 1P, then disable the flip/ mirror.



- Fixed can not show recording results on content management when the recording schedule records to NAS after reboot the camera.
- Fixed the media profile settings will reset to default when upgrade the same firmware version.
- Fixed the camera changes the day/night mode on day mode when the camera IR cut filter setup on schedule mode.
- Fixed the onvif/media2 service doesn't run when camera boots up.
- Fixed an issue when the camera setup on static IP and the DNS is blank, the camera will auto-connect 192.168.0.7 and 168.95.1.1.

Release Version: <0223a_Beta2>

Date: 2020/5/4

New Feature:

- N/A.

Changed Feature:

- Remove the customized script function on the event settings page.

Bugs Fixed:

- Fixed CVE-2020-11949, Allow an authenticated user to obtain arbitrary files from a camera's local filesystem via testserver.cgi.
- Fixed CVE-2020-11950, Allow an authenticated user to upload and execute a script (with resultant execution of OS commands) via eventscript.cgi.

Known Issue:

- If sending a file to the NAS event action, the NAS will not receive
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- the file and the mounting status might become Error.

Release Version: <0222g>

Date: 2020/2/26

New Feature:

- N/A

Changed Feature:

- Upgrade Trend Micro package version to v 1.1b.a1.7.5.



- Upgrade Genetec package version to v2.0.4.2.

Bugs Fixed:

- Fixed an issue when adjust configuration on Image/Exposure profile page, the preview would not change.
- Fixed an issue when enable automatic disk cleanup, it would not delete snapshot & log.
- Fixed the number of connections can over 10 connection.
- Fixed an issue when the camera restore to default, the password need to type blank to login.
- Fixed the users will need to login more than one time and may need to re-login when switching page in digest mode.
- Fixed the black image once change the camera URL from http to https.
- Fixed the continuous recording clip of SD card will not show on the content management page.
- Fixed the recording cyclic fail and camera stop recording.
- Fixed an issue when launch multi-tab to view camera streaming, it will display streaming on first tab and the rest will show black image.
- Fixed the image probabilistic to dark when the brightness adjusts to high.

Release Version: <0222a_Beta1>

Date: 2019/12/23

New Feature:

- Add license expiration notice in Trend Micro event.
- Add function of "Stop License with stop service code" in Trend Micro event.

Changed Feature:

- Upgrade Trend Micro package version to v1.1b.a1.7.3.
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- Upgrade Stratocast package to v1.1b.a1.4.2.
- Upgrade embedded Genetec version to v2.0.4.1.
- Not support play streaming via QuickTime.
- Fixed CVE-2019-19936, remove and not support eventtask.cgi
- Change the HTTP protocol from supports HTTP/1.0 and HTTP/1.1 to HTTP/1.1 only.

Bugs Fixed:

- Enhanced error handling for input /cgi-bin/viewer/video.jpg with illegal parameters.
- Enhanced error handling for /cgi-bin/admin/setparam.cgi?network_http_port.
- Enhanced SD card status display mechanism.



- Fixed zoom/focus bar incorrect issue.
- Fixed seamless recording not resuming the recording correctly issue.
- Fixed timeshift function not work issue.
- Fixed service name will return to default after upgrading firmware.
- Fixed upgrade firmware failed in specific circumstance.
- Fixed cannot display webpage issue when connect to camera by using not default https port.
- Fixed could not connect to camera via public IP once enable PPPoE.
- Fixed the IR illuminator will not turn off issue when disable turn on external illuminator in night mode.
- Fixed the stream maximum fps is not matched with camera web when changed camera power frequency to 50Hz and add it to Milestone Corportate.
- Fixed Stratocast reconnection mechanism to wait 30 second re-attempt cooldown period to avoid Stratocast server put camera connection into black list.

Known Issue:

- If the snapshot and log file is sent when the event trigger type is set to smart SD, users will not able to search them in Content management page.
- In digest mode, users will need to login more than one time and may need to re-login when switching page.
- If sending a file to the NAS event action, the NAS will not receive the file and the mounting status might become Error.
- If you launch multi-tab to view camera streaming, it will display streaming on first tab and the rest will show black image.
- It will display black image once change the camera URL from http to https.

Release Version: <0100t>

Date: 2019/10/31

New Feature:

- N/A

Changed Feature:

- N/A

Bugs Fixed:

- Fixed an issue in which the firmware upgrade causes camera settings being restored.



Release Version: <0120d_SA2019002>

Date: 2019/10/25

New Feature:

- N/A

Changed Feature:

- N/A

Bugs Fixed:

- Fixed IR LED cannot be turned on issue on 0120c_SA2019002.

Release Version: <0100p>

Date: 2019/9/20

New Feature:

- N/A

Changed Feature:

- Upgrade Loader SDK from 2.2 to 2.3.

Bugs Fixed:

- Fixed randomly cannot boot up issue.
- Fixed network_http_port can be set to blank by CGI commend issue.

Release Version: <0120c_SA2019002>

Date: 2019/08/28

New Feature:

- Support Bonjour.
- Support Trend Micro event.
- Support Trend Micro refund.
- Support showing hostname on DHCP server.

Changed Feature:

- Upgrade VADP version to 1.4.2.0.



- Upgrade ONVIF version to 18.12.
- Support setting multiple languages for host name, video title, etc.
- Users can download a specific time interval recording from SD card.
- Embedded Genetec protocol.
- Removed Genetec package.
- Removed DDNS forget key button.
- Change the default authentication of streaming protocol from basic to digest.

Bugs Fixed:

- Fixed CVE-2019-14457, Stack-based buffer overflow via a crafted HTTP header.
- Fixed CVE-2019-14458, Allow a denial of service via a crafted HTTP header.
- Fixed CVE-2019-14477 SACK Panic (Linux >= 2.6.29)
- Fixed CVE-2019-11478 SACK Slowness (Linux < 4.15) or Excess Resource Usage (all Linux versions)
- Fixed CVE-2019-11479 Excess Resource Consumption Due to Low MSS Values (all Linux versions).
- Fixed no streaming via multicast issue when using Genetec Security center.
- Fixed an issue in which SD card playback on multiple web clients could cause playback fail.
- Fixed an issue in which formatting SD card could cause other service fail.
- Fixed an issue in which users can set http port to empty by CGI commend.
- Enhanced the stability of firmware upgrade.
- Fixed wrong fps information display in 3rd party software.

Known Issue:

- If the snapshot and log file is sent when the event trigger type is set to smart SD, users will not able to search them in Content management page.
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- In digest mode, users will need to login more than one time and may need to re-login when switching page.
- If sending a file to the NAS event action, the NAS will not receive the file and the mounting status might become Error.
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Release Version: <0100o>

Date: 2019/08/20

New Feature:

- First release



Changed Feature:

- N/A

Bugs Fixed:

- N/A

