
Product Name: < IT9380-H >
Release Version: < 2.2201.13.03i >
Date: < 2024/05/17 >
Product Type ☒ Camera ☐ NVR ☐ Software

New Feature:

- Default support AAC.

Changed Feature:

- N/A

Bugs Fixed:

- N/A

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: <2.2201.13.03g>

Date: <2023/12/29>

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: <2.2002.13.01j>

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.

Changed Feature:



- Upgrade ONVIF version to 19.12.
- Upgrade VADP version to 1.4.3.1.
- Upgrade Web API version to 0314c.
- SMART SD Support Micro sd 512/1024 GB
- Upgrade Genetec version to 2.1.1.2.
- Upgrade VIVOCloud version to 2.1.0.23
- Modify the editaccount.cgi definition.
- 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 information 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.

* 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 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 vadb_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.
- 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: <0223b>

Date: <2020/7/7>

New Feature:

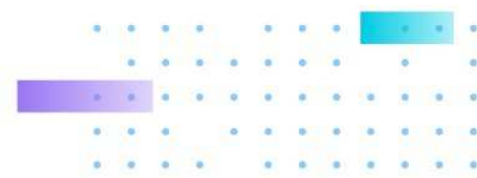
- Support VIVOCloud function.

Changed Feature:

- N/A

Bugs Fixed:

- 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.

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 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.
- 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 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: <0120d_SA2019002>

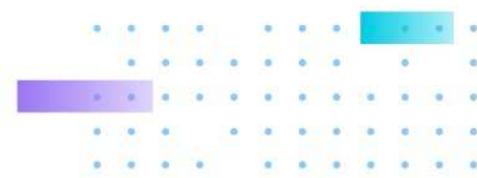
Date: <2019/10/25>

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: <2019/8/28>

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.
- 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.

Release Version: <0100o>

Date: <2019/8/20>

New Feature:

- First release

Changed Feature:

- N/A

Bugs Fixed:

- N/A

