GRANDSTREAM NETWORKS

Firmware Release Notes: Version **1.0.3.23**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *December 20, 2018*

SUMMARY OF UPDATES

The purpose of this release is bug fixing for security issue.

IMPORTANT UPGRADING NOTE

- *Local firmware upgrade recommended.*
- *Please download and use the utility provided by Grandstream for local firmware upgrade, avoiding internet or power interruption to brick the device.*
- *Factory Reset is recommended after successful firmware upgrade.*

CHANGES SINCE FIRMWARE RELEASE 1.0.3.21

BUG FIXES

- Fixed Security Vulnerability that unauthenticated remote code execution to gain Telnet access.
- Fixed web language is Chinese after firmware burning.

KNOWN ISSUES

- During FastForward/FastRewind clicking PLAY button will not resume normal speed play.
- Plugin no longer be supported by new version of Google Chrome.
- IP Camera is unable to speak to the 2nd number in the configured alarm list.
- For GXV3610_FHD, with resolution 1600 x 1200 configured to use in SIP call, video image may appear white dot noise during the call.

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Firmware Release Notes: Version **1.0.3.21**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *April 23, 2018*

SUMMARY OF UPDATES

This is a major upgrade, the purpose of this release is bug fixing and feature enhancement.

IMPORTANT UPGRADING NOTE

- *Once upgraded to 1.0.3.21, DOWNGRADE to previous firmware version is NOT SUPPORTED.*
- *Local firmware upgrade recommended.*
- *Please download and use the utility provided by Grandstream for local firmware upgrade, avoiding internet or power interruption to brick the device.*
- *Factory Reset is recommended after successful firmware upgrade.*
- *Please save the settings before performing factory reset and configure back after reboot.*

CHANGES SINCE FIRMWARE RELEASE 1.0.3.17

BUG FIXES

- Fixed DC-Iris parameter malfunction issue (GXV3674_HD/FHD_VF)
- Fixed not able to upgrade using utility tool
- Fixed restart the device preview video default brightness value changed to 255
- Fixed restart the device the SIP setting page parameters got cleared (GXV3610_FHD)
- Fixed adjust the Audio Volume parameter not taking effect (GXV3610_FHD)
- Fixed device keep on reboot when switched to static IP (GXV3674_HD/FHD_VL)
- Fixed factory reset will change the static IP back to DHCP
- Fixed P-Value cannot be saved

ENHANCEMENTS

- Added option to enable alarm relay once SIP call is established (GXV3611IR_HD)
- Added algorithm to prevent flash corruption and configuration data backup mechanism
- Added downgrade prevention mechanism to prevent flash corruption

KNOWN ISSUES

- During FastForward/FastRewind clicking PLAY button will not resume normal speed play.
- Plugin no longer be supported by new version of Google Chrome.

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Firmware Release Notes: Version **1.0.3.17**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *May 3, 2016*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing and feature enhancement.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.14

BUG FIXES

- Fixed losing audio or video connection when switching in session SIP video and audio.
- Fixed SIP Open Door may fail if having two or more SIP calls simultaneously.

ENHANCEMENTS

- Enhanced the DC-Iris performance for GXV3674 series.
- Updated with Grandstream new LOGO and related color tone.

KNOWN ISSUES

- During FastForward/FastRewind clicking PLAY button will not resume normal speed play.
- Plugin no longer be supported by new version of Google Chrome.

Firmware Release Notes: Version **1.0.3.14**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *November 16, 2015*

SUMMARY OF UPDATES

The main purpose of this release is feature enhancement.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.13

ENHANCEMENTS

- Remove AAC.
- Improve system stability by regulating the maximum video bitrate.
- Improve system reliability by adjusting maximum resolution and frame rate combinations.

KNOWN ISSUES

- During FastForward/FastRewind clicking PLAY button will not resume normal speed play.
- Plugin no longer be supported by new version of Google Chrome.

Firmware Release Notes: Version **1.0.3.13**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *August 17, 2015*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation, and integration with Grandstream NVR GVR355x.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.9

BUG FIXES

- Fixed FTP User Name truncated when exceeding a specific character length.

ENHANCEMENTS

- Added Door Control Protocol to work with GVR355x (related latest GVR355s NVR firmware required) for Door Bell and Open Door event operation.
- Moved up the FOV to avoid halo caused by IR reflection from the edge of outer case cover.

KNOWN ISSUES

- Same clicks required to resume normal play when FastForward/FastRewind used.
- Plugin would no longer be supported by new Google Chrome in the future.

Firmware Release Notes: Version **1.0.3.9**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *June 09, 2015*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation, and integration with Grandstream NVR GVR3550.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.6

BUG FIXES

- Fixed IR LED abnormal behavior when enable Smart IR (GXV3610_HD/FHD, GXV3611IR_HD Dom IP Cameras Only) function.
- Fixed plugin failed to load when first time opening Firefox browser.
- Fixed GVR3550 talk function failed when IP camera audio set to disable.
- Fixed FHD models at some light conditions having stripes in video stream when turn on WDR.
- Fixed when trying to call {**xx} extension the camera does not send SIP INVITE.
- Fixed ONVIF create profile with wrong token name.
- Fixed with ONVIF using GVR3550 to connect IPC, if 1st stream using H.264 with resolution larger than 1024x768, then the 2nd stream cannot be adjusted to MJPEG with bigger than 5FPS.
- Fixed IP Camera cannot accept multiple IP calls (maximum 4 calls allowed).
- Fixed critical Telnet security exploitation (CVE-2015-2866), which the password can be changed using special strings.
- Fixed Playback Video file the Chrome browser tips "page no response".
- Fixed Firefox may crash when at Home Page of IP camera to open playback tools or local configuration setting page.

ENHANCEMENTS

- Added Smart IR Function in CMOS page for Dome models: GXV3610_HD/FHD, GXV3611IR_HD.
- Added POST command to request the output audio talk.

KNOWN ISSUES

- Plugin would no longer be supported by Google Chrome in the future.

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Firmware Release Notes: Version **1.0.3.6**
Product Name: **GXV3611IR_HD, GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *February 19ᵗʰ, 2015*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation, and integration with Grandstream NVR GVR3550.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.5

BUG FIXES

- Fixed ONVIF Profile 0/1 included false fixed token.
- Fixed TELNET security issue, user with viewer privilege able to factory reset the device.
- Fixed ONVIF connection would fail if the username of IPC with more than 20 Chinese characters.
- Fixed ONVIF "GetSystemDateTime" error in the returned value.
- Fixed WebControl issue that user cannot change the recording file path and always using default path with Firefox/Chrome browser.
- Fixed WebControl issue that capture folder name cannot be revised or adjusted.
- Fixed SIP number truncated if SIP phone number more than 15 characters.
- Fixed typo in the plugin "Videoplugine.exe".
- Fixed cannot set static IP without DNS configured.
- Fixed changing IP address from DHCP to Static via "GS_Search" tool, the device will revert back to previous IP after a while.
- Fixed FHD models when configuring Privacy Mask the marked private area would turn green and alarm error message.
- Fixed GXV3611IR_HD the auto video recording would trigger motion detection alarm and cause device to reboot itself.

ENHANCEMENTS

- Added option to upload JPEG image into subfolders by date.
- Revised WebGUI wording from "Enable two-way audio warning mode" to "Enable two-way SIP calling".
- AVI file format will be used for WebControl recording, playback tool, and compliant with old h.264 format
- Security enhancement: Disable TELNET function by default.
- Delete the word "Remove" in SIP Web Setting Page.
- Adjusted Brightness default value from 0 to 128.
- Improve ONVIF system time setting, system web page by adding webGUI for ONVIF time zone display.
- Added GXV3611IR_HD and related models to support "Store to SD card option" when using Time Lapse Photography mode.
- Added HTTP API to get the IP Camera encoding parameter lists for GVR3550.
- Added ONVIF support of set Preset Name include "".
- Added SIP Call Limitation and Protection: No new outbound SIP calls if there is one SIP call in session or ongoing.
- Added SIP Limitation: No direct IP or peering IP call if using TCP or TLS/TCP as SIP transport protocol.

KNOWN ISSUES

- Audio Output background white noise is a little high.

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Firmware Release Notes: Version **1.0.3.5**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *December 2nd, 2014*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation, and integration with GVR3550.

CHANGES SINCE FIRMWARE RELEASE 1.0.3.0

BUG FIXES

- Fixed GVR3550 using ONVIF configure GS IP Cameras the settings cannot be saved.
- Fixed GVR3550 encoding setting display error when ePTZ as primary stream of GS IP Cameras.
- Fixed false alarm report when GVR3550 enable external alarm to IPCs without Alarm_In/Out port.
- Fixed Privacy Mask region overlap with Motion Detection region will cause unusual alarm action.
- Fixed at some light conditions some model the color tone will be distorted.
- Fixed Firefox unable to exit full-screen mode when viewing the video and the plugin might crash.
- Fixed unplug/plug external microphone during two-way audio might cause the browser to stuck at Windows 7/8 computers.
- Fixed some model in night scene the real-time video viewing not smooth at 10M Ethernet network.
- Fixed some model the OSD timer running faster when IR_Cut set to night mode.
- Fixed some model the Built-in Speaker audio output got interrupted issue.
- Fixed some model "Time Schedule Mode" IR_Cut not synchronize with schedule.
- Fixed ONVIF 12.12 test case RTSS-1-1-19/20/21 failed issue.

ENHANCEMENTS

- Improved some model the audio/video out of synchronization issue when using SD card recording.
- Adjust new default NTP time update interval to 60 minutes.
- Added ePTZ support for some model and "Time Schedule Mode" option in IR_Cut.
- Default Light Condition to "Indoor 60Hz" for some model.
- Allow single digit as minimum input for SIP Open Door Key

KNOWN ISSUES

- Audio Output background white noise is a little high.

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Firmware Release Notes: Version **1.0.3.0**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *October 1st, 2014*

SUMMARY OF UPDATES

This is a major update branch with key new features implemented.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.69

BUG FIXES

- Fixed EPTZ issue: Per design EPTZ enabled, both primary and 2nd stream will be in EPTZ mode.
- Fixed plug-in crash on Chrome if modifying sensitivity in MD configuration.

ENHANCEMENTS

- Updated encoding library with lower bit rate and stream optimization. Now support 1080p@30fps + VGA@15fps for H.264 streaming optimization.
- Improved Motion Detection algorithm to reduce false alarm.
- Added WDR feature in Full HD models.

KNOWN ISSUES

- Audio Output background white noise is a little high.

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.67

BUG FIXES

- Fixed uploaded "Self-defined Warning Audio" could be wiped if uploading failure.
- Fixed during SIP call the actual RTP port does not match web interface setting
- Fixed MD triggered video recording still has audio even if it is disabled.
- Fixed no audio in SIP call when AAC configured at Video/Audio WebGUI (RTSP audio).
- Fixed no alarm audio when preferred codec using AAC at SIP.
- Fixed HTTP port not reported correctly over UPnP
- Fixed browser plug-in might crash when modifying sensitivity of Motion Detection.

ENHANCEMENTS

- Added responding to HTTP polling requests for motion.
- Added upload customized sound file to be used for "Voice Alarm to SIP Phone".
- Improve Alarm Time Schedule setting in WebGUI to make it user friendly.
- Added separate OSD webpage for all OSD configurations.
- Enable UPnP Discovery by default and improve the device information report by UPnP.
- Added mDNS feature so IP Cameras can be found by Bonjour of Safari in Apple OS-X.
- Revised the webGUI wording for Motion Detection judgment.
- Improve ONVIF response speed (Onvif_Port = Web_Port + 8000)

KNOWN ISSUES

- Audio Output background white noise is a little high.

New HTTP API

<parameter>=<value>	Page	Goform	Values	Comments
md_alarm_statu=<int>	-	motiondetect	0,1	motiondetect alarm statu (get only) 0 – means no motion alarming 1 - means has motion alarming

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Firmware Release Notes: Version **1.0.2.67**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *July 7, 2014*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.62

BUG FIXES

- Fixed viewer (with anonymous enabled) still require input authentication.
- Fixed incorrect message when Option 66 enabled.
- Fixed when wrong email address or port configured the web access will be lost.
- Fixed writing wrong time format on system setting page, the error message will be displayed on the webGUI all the time.
- Fixed FTP not working with specific server.
- Fixed audio codec set to AAC, the MJEPG video stream (http://IP_IPC/mjpeg/mjpegX.html , X=0 or 4, for Apple/Safari and Firefox/Chrome Browsers) stopped working.
- Fixed Active-X/Plug-in will crash after quickly refresh several times shortly.
- Fixed MD sensitivity invalid when using Firefox or Chrome to access and configure.
- Fixed no related P values for maintenance and upgrade, enable/disable TELNET and UPnP.
- Fixed no related P values for Motion Detection video recording.

ENHANCEMENTS

- New Daylight Saving Time webGUI, user friendly and synchronized with GS VoIP Phone.
- Set 2nd stream default frame rate to 15fps to improve video quality in low bandwidth.
- Support ONVIF using sync point to enforce the IPC to add an I-Frame.
- Set Indoor model light condition default to Indoor 60Hz (power frequency).
- Added Privacy Mask new feature.
- Added Image Quality option for MJPEG
- Improved and more user friendly WebGUI for Motion Detection Configuration.
- Added UPnP Discovery Feature on Maintenance page (default disabled)
- Upgrade Active-X (IE) and Plug-in (Firefox/Chrome) engine to V3.1.0.52 with privacy masks API supported.

KNOWN ISSUES

- Audio Output background white noise is a little high.

New P-Value:

P-Value	Values	Default Value	Comments
P12052	0- Enable telnet 1- Disable telnet	0	Disable Telnet
P12053	0- Disable 1- Enable	0	Enable UPnP Discovery
P10171	0- Disable 1- Enable	0	Enable MD alarm record

P-Value	Values	Default Value	Comments
P10004	0- Disable 1- Enable	0	Enable Daylight Saving Time
P10005	e.g.:EST+05:00EDT+04:00,M3.2.0/02:00:00,M11.1.0/02:00:00		Daylight Saving Time String

New HTTP API:

<parameter>=<value>	Page	Goform	Values	Comments
enable_upnp=<int>	maintenance.html	maintenance	0,1	Enable UPnP Discovery Default: 0
privacymask=<string>	privacy.html	cmos		Privacy masks string GET: Format: %d,%d,%d,%d,%d,%d e.g., ID,E,X1,Y1,X2,Y2 SET: Format 1：, @AE@AX1@AY1@AX2@AY2 @BE@BX1@BY1@BX2@BY2 @CE@CX1@CY1@CX2@CY2 @DE@DX1@DY1@DX2@DY2 AE: Region (A) 0 – disable 1 – enable AX1: Region (A) X1 (0<=X1<=704) AY1: Region (A) Y1 (0<Y1<=576) AX2: Region (A) X2 (0<=X2<=704) AY2: Region (A) Y2 (0<Y2<=576) Region (B,C,D) same as Region (A)

				Format 2:
				@ID@E@X1@Y1@X2@Y2
				ID: Region ID
				E : 0-disable, 1-enable
				X1: x1(0<=X1<=704)
				Y1:y1(0<Y1<=576)
				X2:x2(0<=X2<=704)
				Y2:y2(0<Y1<=576)

<parameter>=<value>	Page	Goform	Values	Comments
enable_dst==<int>	system.html	date_time	0,1	Enable Daylight Saving Time Default: 0
dst_str=<string>	system.html	date_time		Daylight Saving Time String Default:1440 e.g. : EST+05:00EDT+04:00,M3.2.0/02:00:00,M11.1.0/02:00:00

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Firmware Release Notes: Version **1.0.2.62**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *April 25, 2014*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional features implementation.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.58

BUG FIXES

- Fixed wrong MIME Type in email notification.
- Fixed image view angle changed and lost image details when using different video resolution.
- Fixed P value of TCP of TCP option transmitter through SIP cannot be written.
- Fixed security issue of adding administration account w/o authentication through ONVIF.
- Fixed Web_UI should prompt "save failed" when http port set non-numeric characters.
- Fixed customized time zone and daylight saving time features not working correctly.

ENHANCEMENTS

- Added TEL URI and TLS features for SIP.
- Disabled PTZ button for non-PTZ device, enable buttons only when video resolution set to EPTZ.
- Added trigger interval feature for Motion Detection.
- Added disable Telnet option.
- Added NTP update interval option.
- ONVIF: Provide motion detection notification feature.
- "Periodic Snapshot" revised to "Time Lapse Photography" in WebGUI.

KNOWN ISSUES

- Audio Output background white noise is a little high.

New P-Value:

- N/A

New HTTP API

<parameter>=<value>	Page	Goform	Values	Comments
md_trigger_interval=<int>	motion_detection.html	motiondetect	0-5	Minimum Interval of Valid Motion Detection; Default: 0s – Auto
ntpupdateinterval=<int>	System.thml	date_time	5-1440	NTP Update Interval(minutes) Default:1440
disable_telnet=<int>	maintenance.html	maintenance	0,1	Disable Telnet 0- Enalbe Telnet 1- Disable Telnet Default:0
tel_uri=<int>	sip.html	sip	0- Disabled 1- User=phone 2- Enabled	TEL URI Default: 0
sip_enable_tls=<int>	sip.html	sip	0–UDP 1–TCP 2–TLS/TCP	SIP Transport Defautl: 0
sip_tls_certificate=<string>	sip.html	sip		Sip tls certificate Max Len:8192
sip_tls_private_key=<string>	sip.html	sip		Sip tls private key Max Len:8192
sip_tls_private_key_password=<string>	sip.html	sip		Sip tls private key password Max Len:255
accesstlscrtfile=<int>	sip.html	sip	0- Not exist 1- exist	Sip tls certificate file State(read only)
accesstlskeyfile=<int>	sip.html	sip	0- Not exist 1- exist	Sip tls private key file state(read only)
file_type=<int>	sip.html	sip	0-Self-defined Warning Audio 1-SIP TLS Certificate 2-SIP TLS Private Key	Delete file type Default:0

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Firmware Release Notes: Version **1.0.2.58**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *March 18, 2014*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional feature implementing and stability improvement of new SIP stack implemented.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.55

BUG FIXES

- Fixed MJPEG stream not displayed at Safari of iOS/OS-X.
  (New URL: http://IPC_Address/mjpeg/mjpeg0.html; http://IPC_Address/mjpeg/mjpeg4.html)
- Fixed wrong MIME type in email notification.
- Fixed ONVIF preset new name cannot be saved.
- Fixed online IPCs cannot be discovered by GVR3550 and ONVIF test tool.
- Fixed Periodic Snapshot (Time-Lapse Recording) fail if set the system time before current time.
- Fixed Motion Detection Alarm Action FTP upload JPEG fails probabilistically.

ENHANCEMENTS

- Add TLS support and solved TLS option grey out issue.
- Add WebGUI hints that MD not effective when both streams configured MJPEG.
- Add Motion Detection Zone variables to be used by the Alarm HTTP Server.
- Add Motion Detection retrigger time interval.
- Add set IR_Cut to Manual to disable LEDs
- Add software turn Off IR_LED from WebGUI (related HW model required).
- Improved NTP server setting webpage in System setting webpage.
- Rearranged tips column for better video windows display.

KNOWN ISSUES

- Audio Output background white noise is a little high.

New P-Value:

P-Value	Values	Default Value	Comments
P60000	0- Disable 1- Enable	0	TLS

New HTTP API

\<parameter>=\<value>	Page	Goform	Values	Comments
ir_led_setting=\<int>	cmos.html	cmos	0 - Auto 1 - On 2 - Off	B2 V2 IR LED Setting Default: 0
md_retrigger_interval=\<int>	motion_detection.html	motiondetect	1-60	Motion Detection Retrigger Interval(1-60s); Default: 1s

\<parameter>=\<value>	Page	Goform	Values	Comments
sip_enable_tls=\<int>	sip.html	sip	1 – Disable 2 – Enable	TELECOM GS_sipclient

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Firmware Release Notes: Version **1.0.2.55**
Product Name: **GXV3610_HD/FHD, GXV3672_HD/FHD_36, GXV3674_HD/FHD_VF**
Date: *February 28, 2014*

SUMMARY OF UPDATES

This version has major update like using same SIP stack as GS phones; added UCM integration; added software controlled IR light (related HW required) and ONVIF optimization.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.50

BUG FIXES

- Fixed camera cannot initiate SIP call without SIP registration.
- Fixed image overexposure when shutter speed set to Auto.
- Fixed reading path error when Option 66 without path prefix.
- Fixed DDNS ISP list table "ipkan.net ipkan.cn, ipkan.com.cn" save button not working.
- Fixed Firefox/Chrome browser cannot FTP and Save alarmed video.
- Fixed SIP setting "Auto Onhook Timer" not working in GXV3674 series.
- Fixed Time Zone not working for some half time zone like Venezuela.
- Fixed SIP setting page white list number beginning with empty space cannot be deleted.
- Fixed WebGUI might not be accessible after using HTTP API commands over 1000 times.
- Fixed false Motion Detection Alarm triggered by IR_Cut filter switching.
- Fixed uPnP Search not working on certain models.
- Fixed VLC viewing live video long time (for 3 hours) the audio input (microphone) might get lost.

ENHANCEMENTS

- Device name displayed on DHCP Option 60
- ONVIF conformant optimization.
- Added Schedule switching mechanism for IR_Cut filter setting (related hardware required)
- Improved confusing MJPEG setting in WebGUI.
- SIP stack synchronized with GS Phones.

KNOWN ISSUES

- Audio Output background white noise is a little high.

New P-Value:

● **N/A**

New HTTP API

\<parameter>=\<value>	Page	Goform	Values	Comments
daytime_start=\<int>	cmos.html	cmos	0-86399 Seconds e. g. Set 12：39 daytime_start =12*3600+39*60 default:0	B2 HW V2.0
daytime_end=\<int>	cmos.html	cmos	e. g. Set 12：39 daytime_end =12*3600+39*60 default:0	B2 HW V2.0
dhcp_option_66=\<int>	maintenance. html	maintenance	0 – disable 1 - enable	Gs_phone sip stack
3cx_auto_provision=\<int>	maintenance. html	maintenance	0 – disable 1 - enable	Gs_phone sip stack

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Firmware Release Notes: Version **1.0.2.50**
Product Name: **GXV3610_HD, GXV3674_HD_VF**
Date: *January 08, 2014*

SUMMARY OF UPDATES

The main purpose of this release is bug fixing, additional feature implementing and stability issue addressing in previous release, with addition of new product GXV3674_HD_VF.

CHANGES SINCE FIRMWARE RELEASE 1.0.2.43

BUG FIXES

- Fixed AAC audio encoder used, viewing video via VLC media player will have intermittent audio.
- Fixed Wi-Fi after working more than 35 hours if radio lost will not resume connection
- Fixed Wi-Fi Radio Scan cannot get SSID
- Fixed session restarted when continuous Motion Detection events happened
- Fixed GXV3674_HD_VF will reboot when both streams configured MJPEG and adjust video parameter.
- Fixed video blinking issue for VF Lens used at GXV3674_HD_VF.

ENHANCEMENTS

- Improve sensor low light noise, image will be smoother.
- Reduce noise and echo when PC client enable Audio.
- Optimize motion detection algorithm.

KNOWN ISSUES

- WebGUI might not be accessible after using HTTP API commands over 1000 times.
- Audio Output background white noise is a little high.
- VLC viewing live video long time (for 3 hours) the audio input (microphone) might get lost.

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Firmware Release Notes: Version **1.0.2.43**
Product Name: **GXV3610_HD**
Date: *November 20, 2013*

SUMMARY OF UPDATES

The main purpose of this release is bug fix and enhancement.

BUG FIXES

* Fixed Day Night Saving Time not automatically started when configured
* Fixed alarm video sometimes corrupted when using VLC.
* Fixed FTP alarm video file may not play normally.
* Fixed VLC playing corrupted audio or no audio when AAC coder selected.

ENHANCEMENTS

* Enhance the video quality by reducing noise at the edges of frame in lower resolution
* Improve the sensitivity to capture snapshot when motion detection configured.

KNOWN ISSUES

* WebGUI might not be accessible when using API command over 1000 times.
* VLC viewing live video for 3 hours the audio might lost.

New HTTP API

<parameter>=<value>	Page	Goform	Values	Comments
periodic_snapshot_enable=<int>	shot.html	periodic_snapshot	0- Disable 1- Enable	Enable Periodic Snapshot
periodic_snapshot_interval=<int>	shot.html	periodic_snapshot	0-999	Periodic snapshot interval(Minute)
periodic_snapshot_uploadsd=<int>	shot.html	periodic_snapshot	0- Disable 1- Enable	Store it to USB card or SD driver
periodic_snapshot_uploadftp=<int>	shot.html	periodic_snapshot	0- Disable 1- Enable	FTP Upload
periodic_snapshot_uploademail=<int>	shot.html	periodic_snapshot	0- Disable 1- Enable	SMTP Upload
md_snapshot_prenum=<int>	motion_detection.html	motiondetect	0-5	Pre Alarm Up to(Second)
md_snapshot_endnum=<int>	motion_detection.html	motiondetect	0-5	After Alarm Up to((Second))
event_snapshot_prenum	alarm_event.html	alarmio	0-5	Pre Alarm Up to(Second)
event_snapshot_endnum	alarm_event.html	alarmio	0-5	After Alarm Up to((Second))

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Firmware Release Notes: Version 1.0.2.24
Product Name: GXV3610_HD
Date: *November 18, 2013*

SUMMARY OF UPDATES

The main purpose of this release is for the new model GXV3610_HD.

BUG FIXES

- GAPS provisioning: Add P212 value for surveillance products
- Add P value for control of anonymous access

New P-Value:

P-Value	Values	Default Value	Comments
P10111	0- Disallow Anonymous Viewing 1- Allow Anonymous Viewing	1	Manage Anonymous Viewing

New HTTP API

<parameter>=<value>	Page	Goform	Values	Comments
ircutstatu=<int>	about.html	systeminfo	1- Daytime:Disallow IR Light 2- Night:Allow Infrared Light	IR CUT Status(Read Only)

ENHANCEMENTS

- Adjusted default audio output to 5.
- Added IR_Cut information at Status Page

KNOWN ISSUES

- Auto-Exposure will not decrease in strong light condition, manual adjustment works.
- Audio delay when switching 1st and 2nd streams.