

## GRANDSTREAM NETWORKS

Firmware Release Notes: Version **1.0.3.21**

Product Name: **GXV3611IR\_HD, GXV3610\_HD/FHD, 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.

=====  
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 1<sup>st</sup> stream using H.264 with resolution larger than 1024x768, then the 2<sup>nd</sup> 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.

=====

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 19<sup>th</sup>, 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.

=====

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.



=====  
Firmware Release Notes: Version **1.0.3.0**

Product Name: **GXV3610\_HD/FHD, GXV3672\_HD/FHD\_36, GXV3674\_HD/FHD\_VF**

Date: *October 1<sup>st</sup>, 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 2<sup>nd</sup> 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.

=====  
 Firmware Release Notes: Version **1.0.2.69**

Product Name: **GXV3610\_HD/FHD, GXV3672\_HD/FHD\_36, GXV3674\_HD/FHD\_VF**

Date: *September 10, 2014*

## 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

=====

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 MJPEG video stream ([http://IP\\_IPC/mjpeg/mjpegX.html](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 2<sup>nd</sup> 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:**

<b>P-Value</b>	<b>Values</b>	<b>Default Value</b>	<b>Comments</b>
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

<b>P-Value</b>	<b>Values</b>	<b>Default Value</b>	<b>Comments</b>
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>	mainten ce.html	maintenan ce	0,1	Enable UPnP Discovery  Default: 0
privacymask=<string>	privacy.ht ml	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

=====

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 Default: 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
accessstlsctrfil=<int>	sip.html	sip	0- Not exist 1- exist	Sip tls certificate file State(read only)
accessstlskeyfil=<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



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/mjpeg0.html); [http://IPC\\_Address/mjpeg/mjpeg4.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

=====

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

=====  
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.

=====

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	Goforn	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))

=====

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 1<sup>st</sup> and 2<sup>nd</sup> streams.