

Update firmware from web interface:

1. Login into the IP Camera via IE.
2. Click on Configure->System->Firmware Update
3. Click on "Browse" button to locate the firmware file, flasham.bin.
4. Click on "OK" button.
5. Wait the web interface to be reloaded again.

WARNING!

YOU DO NOT HAVE TO UPDATE YOUR DEVICE TO THE LATEST FIRMWARE. HOWEVER, THE LATEST FIRMWARE MAY IMPROVE A DEVICE'S PERFORMANCE AND ADD ADDITIONAL FEATURES. THERE IS A RISK OF FAILURE WHEN UPDATING A FIRMWARE, THIS INCLUDES POWER FAILURE, LOW BANDWIDTH OR BROKEN FLASH DISK. A FAILED FIRMWARE UPDATE WILL REQUIRE RETURNING THE DEVICE BACK TO YOUR ORIGINAL PROVIDER FOR REPAIR.

Updating from OS 1.0 and OS 1.1 to OS 1.4 can take approximately 10 minutes. It is not recommended to update from OS 1.0 and OS 1.1 to OS 1.4 unless absolutely necessary. A device may fail the firmware update process requiring it to be returned to your original provider for repair. It is highly recommended to update within the same OS version only.

Version 1.4.66 (2016/03/08) for L and Pro series only

- Added Sony IMX222 sensor support.
- Added IPC0122 WiFi support.
- Updated ActiveX to 1.0.50.143 for GDI mode ActiveX OSD.
- Supported Wireless General page for IPC0122.
- Added description for corridor mode only for Navigator not NVR.

Version 1.4.58 (2015/12/09) for L and Pro series only

- Reduced false motion alarm when IR-cut get switched.
- Added bad pixel correction log.
- Improved IPD2220, IPD6220, and LD2222 low light quality.
- Improved I frame flicking issue for both Pro and L series.
- Improved video quality
- Disabled 3DNR at default.
- Disable UPnP at default.
- Updated ActiveX to 1.0.50.130 version.
- Updated JavaApplet for expired issue.
- Added watch dog reboot feature.
- Added NIC for preventing network locking.

Version 1.4.54 (2015/09/04) for Pro and Z series only

- Supported imx222 sensor for Pro series.
- Disabled motion detection when IR gets switched.
- Added continuous alarm FTP feature.
- Fixed frequent switching video quality settings causing reboot issue.
- Fixed IPD2220, IPD6220, and LD2222 noise issue
- Support OSD font size at range 1~4.
- Added MLP1 protocol for controlling RS-485 PTZ box camera with RS-485 output.
- Added Focus for RS-485 page.
- Improved auto focus feature.
- To support Chrome browser, please type chrome://flags/#enable-npapi to support NPAPI.
- Added Japanese.
- Added email testing button and SMTP status.
- Added the event log for network loss recording event.
- Supported corridor mode for Pro and Z series.

- Fixed JavaApplet expired issue on Internet Explore.

Version 1.4.54 (2015/08/11) for L series only

- Fixed OSD font size for Profile2 JPEGCIF.
- Supported IR Cut switching for disabling motion detection to reduce false alarm.
- Reduced CBR bitrate that it does not match the bitrate setting.
- Added continuous FTP feature.
- Fixed the issue for stopping FTP if FTP is sent more than 30 minutes.
- Fixed reboot issue if too frequently switching video quality settings.
- Fixed 3D noise reduction setting issue.
- Modified ActiveX to version 1.0.50.129 version.
- Added device name for supporting English, Simplified, and Chinese versions only message.
- Support OSD font size at range 1~4.
- Improved auto focus feature for Z series cameras.
- To support Chrome browser, please type chrome://flags/#enable-npapi to support NPAPI.
- Disable audio button at front page if the audio is disabled.
- Fixed no video issue for profile2 H264480P on QuickTime.
- Added network monitoring mechanism.
- Added Japanese language.
- Fixed wrong information at PPPoE or DHCP scanned by IPScan.
- Added SMTP test button.
- Fixed OSD font to size 1 at 90 or 270 degree of corridor mode.
- Fixed JavaApplet expired issue on Internet Explore.
- Fixed Control4 driver to use PTZ for ePTZ. L series still uses Control4 static driver.

Version 1.4.36 (2014/12/4)

- Supported new UI for IPD/IPR/IPG series.
- Updated ActiveX to 1.0.50.119.
- Fixed IPC0122 SD card LED status.
- Removed master password for security issue.
- Fixed NTP time sync for half hour time zone. For example, 12:30, fixed the half hour time zone issue.
- Fixed shutter rolling issue if the frequency is at 50Hz (China).
- Fixed OEM version not support DDNSIPCAM.
- Supported 3MP and 5MP for EPTZ and ROI for Profile5 and Profile6.
- Supported customized URI and allow English and numeric values (Spain).
- Supported 90 degree and 270 degree for Pro and Z series (China).
- Fixed night time quality default setting, contrast: 45, expolsure:3, and saturation: 50.
- Supported JPEG VGA resolution for smooth video. Please set ONVIF setting to Control4.
- Changed motion detection default sensitivity to 30.
- Fixed the problem for not saving saturation setting.
- Supported manual settings for IR cut on and off feature.
- Supported 3MP for 4:3 resolution for 12 FPS (OEM).
- Fixed crash issue if LILIN iOS Viewer sends wrong SD card polling commands.
- Supported half hour NTP time zone.
- Fixed setstreaming cgi for not changing profile setting.
- Fixed brightness default value to 50.
- Fixed s sensitivity issue for if there is only one grid for motion detection grids (AU).
- Changed user log not including snap and monitorhttp cgi.
- Added Focus Assistant for VariFocal models.
- Supported Fermax option to become JPEG480P to JPEG VGA for Fermax.
- Supported Stanley version to use DDNSIPCAM.
- Changed audio detection sensitivity to 52.
- Supported base64 CGI authentication for RTI (UK).
- Changed telnet port for security issue (XTW).
- Supported RTSP for authentication for security issue.
- Supported 4K for ONVIF report.
- Supported SD card page flipping.
- Changed DDNS update time to a random time for reducing the loading of DDNS server.
- Change RTSP SDP sequence (AI).
- Support two IP addresses (USA).

Version 1.0.60 (2014/2/6)

- Supported the IE11 browser.
- Fixed if the HTTP Port is not 80, the SD card webpage doesn't show the video when playback.
- Modified the buttons of SD card playback webpage and the size of the screen when playback.
- Added the feature if the watchdog reboots three time in a row, the video setting goes back to default.
- If the SD card is in always record mode, the time interval between the recorded files get reduced.
- Fixed when using the QuickTime to play the UDP stream, there is no audio output.
- Fixed the frame rate limited in ONVIF.
- Added the Turkish language.
- Fixed when connected with the NVR if the frame rate low which can get video loss easily.
- Modified the default setting of video quality to +5 for night mode.
- Modified the typesetting for tamper webpage.
- Modified the operator rights. If an operator is created by administrator, the "Administrator" box is not checked and the "Panel Control" is checked so that the administrator can add this operator as admin right at any time.
- Fixed when using the IPScan to change the IP address if the IPCam is connected by NVR or CMX, the H264 and JPEG get stuck by 1 online user.
- Fixed the avi files of the SD card recording that the pre-recording and the current triggered recorded video files are both included the wrong video data.
- Fixed if continuously click the video files to playback the files in SD card, it can cause the files not to be playback properly.
- Fixed the SD card backup when the file is finished playing, it will not repeat playing.
- When enable the "Bypass Logon" feature, the RTSP authentication will be disabled.
- Fixed when the face detection is enabled but there is no log recorded.
- Fixed when enable the "Bypass Logon", the webpage shows an message of updating error.
- The baseline mode is removed and the only setting is main profile now.
- Updated the ActiveX to 1.0.50.112 version which supports to show up the ActiveX recording time.

Version 1.0.56 (2013/10/11)

- Added to support the cameras IPD2452E,ZR6122E,ZD6122E,ZR2322E and ZD2322E.
- flashaml.bin is used on IPD2452E and the flasham.bin also needs to be upgraded.
- Supported Simplify Chinese language.
- Added the SDDP web page for control 4 device to use.
- Removed the system log button.
- Fixed when the audio is enabled in IE10, the audio still can be heard if turns to another web page.
- Fixed the face detection issue for IPD2122 and IPR2122, sometimes the feature doesn't work when it is enabled.
- Added SD card OSD feature to show the SD card status (Black--> No SD Card, Blue--> SD card inserted and Red--> SD card recording)
- Added the column to enter the port number for the FTP port.
- Fixed the issue on profile 3 if the JPEG is over 100K sent via E-mail which may cause the camera reboots.
- Fixed the device name and ActiveX OSD in the general set up page that both can't be empty.
- Fixed when the user can only view the profile 4 stream, after switched to profile 3, the user can view the profile 1 stream.
- The default setting for MIC Volume is set to 50 and Audio Input Filter is set to 1.
- When load default on the web browser, only the admin account exists.
- Fixed when the time is modified, the OSD time gets blinking.
- Fixed the SD card issue to get blue OSD color mode. If the SD card is inserted to the camera, then power off the camera and remove the SD card and power it on that the issue occurs.
- Fixed the web page on Profile 4 that the JPEG1080P Image Quality has the "10" item included.
- Fixed to low down the position of the OSD for Profile 4 JPEG1080P.
- The ActiveX version upgraded to 1.0.50.97.

Version 1.0.52 (2013/6/27)

- Added the audio on or off button on web.
- Added the alarm auto trigger output to be on or off.
- Added Korean language.
- Added the format SD card feature.

- Added the RTSP authentication item and the default setting is off.
- Added the baseline and main profiles.
- Added the time zone (GMT +10:00) for Canberra, Melbourne and Sydney with the audio to be off.
- Added the SD card recording event to the system log and also supported to download the videos from the SD card.
- Added /ir=auto, /ir=off and /ir=on cgi command.
- Supported the DDNS to add "_" symbol.
- Added the message if the SD card is being formatted and this will temporary disable the SD card recording.
- Added the IPScan Bypass Logon feature.
- Added the ONVIF supported items to the HTTP/RTSP webpage.
- Added the Daylight Saving feature.
- Added a button to update the DDNS manually.
- Added the IP address filtering.
- Added to play the video on SD card on web.
- Added the feature to reboot the camera if no video is detected.
- Added the DV Iris Mode to the Vari-Focal models.
- Modified the size of the video on the homepage.
- Modified the model name of IPD6122EZ & IPD2322EZ to ZD6122 & ZD2322.
- Upgraded the ActiveX to 1.0.50.79 version.
- Modified the audio adjustment webpage. When the audio is enabled or disabled manually, the camera will reboot.
- Modified the first stream to support 10Mb bitrate for each profile.
- Modified the reset time from 10 seconds to 5 seconds.
- Added the feature to download a batch files from SD card at the same time.
- Fixed the black or white video image issue when power on the camera.
- Fixed the reliability for IRCut if set up in Day or Night mode.
- Fixed the FTP to send an incomplete JPEG issue.
- Fixed if using the IPScan to modify the settings of IPCam and get failure.
- Fixed the HTTP & RTSP can't be on the same port.
- Fixed the active mode sending image failure via FTP if PPPoE dial up is failure.
- Fixed when insert the SD card if the device name is not mmcblk0p1 and it will fail to mount.
- Fixed the video flip failure issue.
- Fixed the 2M or 3M camera models that the OSD position gets incorrect with horizontally or vertically flip.
- Fixed if the mask is enabled, there is a chance for the mask to disappear when the TV out is enabled or disabled.
- Fixed when the alarm is triggered and send the event to the email, FTP or SD card. If there is another alarm is triggered at the same time, it might have a chance for the user to get the email information incorrectly.
- Fixed if calibrate the time manually and it might get the time incorrectly.
- Added IPR7722ESX, ZD6122, ZD2322, IPR2122E, IPR424/8E, ZR6122 & IPR2322 to the support list.

Version 1.0.506 (2013/2/4)

- Fixed when selected Russian language in IE browser, close the IE browser and view the camera again from IE browser that the language is changed to English.
- Fixed the DDNS set up page. When set up the DynDNS, the host name can't be entered and caused the DynDNS feature doesn't work.
- Note: The VS212, HD 2 & 3MP IP cameras use this firmware.

Version 1.0.502 (2013/1/30)

- Fixed if it takes a long time to download the ActiveX when connected via internet that the camera monitoring policy reboots and this also causes the IPCam reboots.

Version 1.0.498 (2013/1/11)

- Updated the ActiveX version to 1.0.50.77.
- Fixed the issue if video port is set to RTSP/UDP and the live images from the webpage gets broken.
- Fixed the issue on 3MP cameras that the device name can't be displayed in profile 5 with RTSP/UDP.
- Fixed the video loss issue when added the cameras to NVR.
- Modified the count down time to 90 seconds for the system reboot.

- Fixed the FTP transferring 0KB image issue.

Version 1.0.496 (2012/12/19)

- Updated the ActiveX to version 1.0.50.74. Fixed double click on the mouse to get full screen and then double click again to cancel the full screen mode but it sends the ePTZ zoom command. Fixed also the OSD audio detection issue.
- Fixed when the shutter reaches to its limit and causes the live view image to be white or black color.
- Fixed the email sending failure issue to cause the device to be offline.
- Fixed the color output issue to a CRT monitor.
- Added "Audio filter" feature to the cameras if the cameras have MIC supported.
- Fixed the time issue of sending images by FTP.
- The models IPD2220E, IPD6220/2E, LD2122 and LD2222 that only the "Default" item is added from the video quality setting.
- Fixed if losing connection with NVR, the online user number doesn't disappear immediately.
- Fixed if the camera doesn't connect to any audio devices, the OSD still detects the audio input.
- Fixed if viewing with H264 480P from the NVR website, the color of the image gets green.
- Fixed if the live image gets flip when the event is triggered that the OSD is not shown at the right position.
- Fixed if using two different PCs to login to the same camera with different user authorities, the admin live control page disappears.
- Fixed if the user only check the boxes on 2, 3 and 4 streams, then login to the mainpage and the ePTZ control panel disappears.
- Fixed the device name if entering 36 characters, IPScan only shows 35 characters.

Version 1.0.490 (2012/10/25)

- When set up the frame rate of video stream, it limits the number of other streams according to the total resources.
- Supported video and audio for UDP stream.
- The percentage is displayed while the firmware is upgrading.
- Added JPEG 480P stream to Profile 5 for viewing the live video on smart phone.
- Added FTP and E-mail features to profile 5.
- Upgraded ActiveX to version 1.0.50.67 and fixed the crash and refreshing the webpage issue when viewing in IE browser.
- Fixed the audio detection and OSD display frequency.
- Fixed the accuracy of motion detection in VS212.
- Added the features of configuration and video set up to CMX and NVR.
- Fixed the fields in the browser which including the numbers, Chinese and English characters and also some restrictions.
- Fixed the NTP issue after rebooting the camera and the time shows incorrectly.
- Added the DB and COD logos.
- Fixed the issue if enters more than 31 characters for the username and the profile field gets blank from the home page.
- When entering the audio set up page, the audio can be heard directly.
- The first released version for VS212 and IPG1032.

Version 1.0.486 (2012/7/16)

- Fix the IR filter issue which sometimes doesn't switch properly between day and night. This causes the color of the live view doesn't look right.
- Update ActiveX to version 1.0.50.66.
- Fix the HTTP/RTSP service from the webpage. When selecting the video port to RTSP/UDP port, it causes the Privacy Mask, Motion Detection, ePTZ and ROI features which can not be set up.
- When recording the video to the SD card, it can be selected with the specific timeline on the video player and play the video immediately.
- Fix the video to be displayed to a proper position from the homepage.
- Add Title, Heading and Number Source IP Address Date/Time Operations to the system log.
- Fix the ROI feature when selecting the Home button which doesn't get any responses and also the Preset stop time doesn't display the time correctly.
- Fix the Audio In issue. When the source of the volume is too loud, the audio sprangs from the audio out.
- Fix the RTC operation issue with the IPG series cameras that the time displays incorrectly.

- Modify the default settings of the sharpness for day and night time to 25 and the day time saturation to 3.
- Fix the IPD2122S (Model=62) recording failure issue from the homepage.
- Add getimage?camera=0&fmt=sif which is compatible with cif.

Version 1.0.484 (2012/4/27)

- Fix the machine reboot continuously issue when switching between the profiles from the video setting page with the firmware 1.0.482.
- Fix the Logo=6 when pressing the power button directly on the machine to enable the SD card recording. If the capacity of the SD card is less than 300MB, the machine still can start recording.
- Fix the time setting issue when manually set up the time with no response.
- Fix the issue of motion detection with no response.
- Fix the video flickering issue.
- Fix from the video setting if switching to another profile, the connection between CMX and NVR gets error.
- Note. The HD 2 & 3MP IP cameras use this firmware.

Version 1.0.483 (2012/4/19)

- Fix the machine reboot continuously issue when switching between the profiles from the video setting page with the firmware 1.0.482.
- Fix the Logo=6 when pressing the power button directly on the machine to enable the SD card recording. If the capacity of the SD card is less than 300MB, the machine still can start recording.
- Note. The HD2 & 3MP IP cameras use this firmware.

Version 1.0.482 (2012/04/16)

- To fix the antiflicker mode to 60Hz and solve the video flashing issue at 50Hz.
- Fix if the webpage is set to default, some mistakes with the default value of Low Latency Mode from the general settings of the version 1.0.480.
- Fix the 1.0.480 version when connecting with CMX, the Auto Gain Control gets 2x(6db) by mistake.
- The default setting of the exposure value for all the devices is 5.
- Fix when the SD card starts video recording, the system will analyse the capacity of the SD card first and then decide if it is necessary to delete the files from the SD card. To avoid the SD card runs out of its capacity and stop recording.
- Fix the issue when upgrading the firmware, the firmware must be sent out completely otherwise the DVR does not start upgrading the firmware.
- Fix if the video connection is loss, sometimes the users are also terminated.
- Fix the model number becomes zero.
- Fix the OEM Logo displaying issue with safari.html and java.html webpages.
- Add synectics oem logo(Logo=7).
- Fix the auto send mail issue. When the system reboots, it goes back to 60 seconds.
- Fix when enabling the electronic mask, set up the general settings of the videos and the electronic mask disappears. It must be restart again to work properly.
- Upgrade the ActiveX to version 1.0.50.59.

Version 1.0.480 (2012/04/02)

- Fix SD card installed status.
- Add Quality CGI.
- Set Quality Sharpness to 31.
- Add new model, Model=40 and 44 for "Full Day Mono no IR (ANPR, Full Day Mono)".
- Reduce reboot time to 150 seconds.
- ActiveX added hardware acceleration mode.
- Modify Quality page for Shutter Limit range such that NTSC is 1/30 and PAL is 1/25.
- Add Low Latency Mode.
- Add cgi /snap1080p and /getimage?fmt=1080p supporting JPEG 1080p at Profile 4.
- Add Profile 4 for JPEG 1080P at 15 FPS.
- Change email interval to 60 secs.
- Fix JavaApplet for not display video.
- Fix SD card unmount and remove SD card. SD card web page not display correct status.
- Fix the problem that firmware can not down grade.
- Add SD card for alarm recording at multiple selectable options.

- Change day time brightness to -4 and contrast 5. The exposure value is changed to 5.
- Fix ePTZ user option not display ePTZ control issue.
- Change guest can only view first streaming.

Version 1.0.470 (2012/02/03)

- Support Internet (high bandwidth) and LAN (low bandwidth) modes.
- Support event log.
- Support audio and video sync mode.
- Add quality load default mode.
- Support face detection for sensitivity.
- Remote root password.
- NTP sync time now is ever hour.
- Fix changing RTSP port number for not displaying video issue.
- RTSP/UDP can not support audio. Remote audio button at this mode.
- Fix Kernel for reboot fail issue.
- Support Avigilon for H.264 UDP
- Default audio to 0db to avoid noise.
- Add auto PC time sync feature.
- Fix mirror and flip not default back when set Quality->Load Default.
- Fix ePTZ too slow issue.
- Update ActiveX to 1.0.50.57. Fix IE9 can not download issue.
- Support Milestone Professional 8.0b.

Version 1.0.440 (2011/12/12)

First release

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