

IQinVision

Software Release Notes Version V2.7/3 January 24, 2007

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Release Summary

This document describes the IQinVision V2.7/3 camera software release.

These release notes will document new features added and problems corrected since the V2.6/2 software release. V2.7/3 provides support for the IQvav, IQeye30x, IQeye5xx, IQeye60x and the IQeye7xx hardware platforms.

New Features

The following is a summary of major new features since software release V2.6/2. Please see the IQinVision Reference Manual, available on the IQeye web site at <http://www.iqeye.com/manuals.html> for detailed information about new features.

New Products

The IQeye75x series of day/night cameras are now supported.
The IQvav Video Verification camera is now supported.

Image Enhancements

The image gain algorithm has been enhanced to more precisely track ambient lighting changes and will react in a more predictable manner.

The ability to set fixed exposure speeds from the image settings web page has been added.

IQrecorder Enhancements

The IQrecorder playback page now has the ability to export a sequence of recorded images as an AVI stream.

The IQrecorder playback page now displays a 24 hour timeline showing when triggered events occurred.

The IQrecorder periodic record rate has been changed to a text entry field rather than a pull down menu to allow arbitrary periodic image capture.

The ability to format a CF card while it is installed in the camera has been added.

Miscellaneous Enhancements

When bringing up the live interface on a browser/platform that can support ActiveX controls the user is no longer prompted to select between ActiveX and Java live viewing. The ActiveX control is automatically selected.

On Win32 platforms Java is no longer required to make configuration changes. Note that Java is still supported for non-Win32 platforms and is still required for IQrecorder playback.

The ability to push new firmware version to the camera using an HTTP post request has been added.

The ability to specify a username and password for logging into a SMTP server has been added.

Several URI modifier options have been added for requesting a serverpush stream. Using the URI modifier ?pragma=motion sends motion info, regardless of trigger motion enabled/disabled and on every motion frame, not just the first trigger frame. Using the URI modifier ?pragma=motiononly only sends motion frames after a trigger event i.e. you only get motion frames.

New start dates for United States daylight savings time have been incorporated into this release.

Resolved Problems

All the camera web pages have been updated to work correctly with Internet Explorer V7.

The controls used to set crop/motion/exposure windows were difficult to grab as the mouse position required was overly precise.

Several of the camera online help pages did not have correct information.

When using FTP triggering to send files to an external FTP server a permissions problem on the FTP file transfer could be incorrectly interpreted as a successful transfer.

On the IQeye5xx cameras sending an image using the FTP protocol was not stopping the focus preview analog output stream and could send incorrectly sized JPEG images.

When using the IQrecorder playback page to view event triggered images in reverse chronological order the images in each event sequence were display in the wrong order.

When using IQrecorder with an empty root directory path the FTP client was using "/" as the path rather than nothing "" at all. This would not work correctly with the IIS FTP server.

The ability to print JPEG images from the IQrecorder playback page was not working.

When saving AVI or JPEG images the default file extension was not correct.

Defining a very long string as the subject of a trigger action could overrun an internal memory buffer.

When a camera was configured with a network bandwidth limit and the available bandwidth was very close to the configured limit the JPEG image separator could occur in the data stream before the end of the JPEG data.

Reloading new firmware using the camera Security Settings web page would fail if the PC filename path was too long.

When booting cameras without realtime clocks, i.e. 5xx series cameras, it could take up to five minutes for the cameras to get the current time.

Embedded Developer Environment

For more information on the embedded SDK environment, please see the embedded SDK documentation available as part of the IQSDK partner program.

Known Problems

On the IQeye5xx cameras setting a maximum frame rate using the web pages will only allow 7, 10 and 15 fps. All other settings will quietly fail and the camera will remain at the maximum frame rate. This will be corrected in a future software release.