

IQinVision

Firmware Release Note History

Product: IQ5xx Series

Version: 2.8/9

Date: March 2010

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Release Summary

This document describes the IQinVision V2.8/9 camera software release documenting new features and bug fixes since V2.8/7 firmware release.

Version: 2.8/9

Date: 03/2010

New Features / Enhancements:

1. Support added for new camera hardware.

Bug Fixes:

1. Permanent changes to saturation when lighting changes is fixed.
 2. Internal system timer not rolling over during continuous operation has been fixed.
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Version: 2.8/7

Date: 08/2009

New Features / Enhancements:

1. Auto White Balance now supports Gray World for improved outdoor images.
2. Manual Auto White Balanced added.
3. LED blink patterns changed to be consistent with the new format.
4. Improved factory reset, requires holding the reset button for 10-seconds.

Bug Fixes:

1. IQ510 series cameras get a yellow cast over image fixed.
 2. The now.motiondata command is fixed.
 3. motion?noimage timeout bug is fixed.
 4. XML errors on successful firmware updates now fixed.
 5. Lowlight disable now fixed.
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Version: 2.8/6

Date: 03/2008

New Features / Enhancements:

1. Improved color accuracy through the use of the latest color correction matrices.
2. Improved color depth and vividness using new saturation logic.
3. Increased dynamic range through enhancing default gamma values.
4. 30-day IQrecorder demo license implemented. After 30-days of use, the IQrecorder demo automatically disables until the full-license is purchased.
5. Static global MTU value can be assigned to the camera allowing a smaller Ethernet MTU to be specified so packets will not be fragmented across a VPN connection. Use command DEFINE IP ETHERNET MTU [nnn]. The value nnn must be an even number between 40 and 1500. Note that the MTU specified does not include the size of the Ethernet header so packets which can be up to 14 bytes larger than the amount specified.
6. Default time zone is now Greenwich Mean Time (GMT).
7. Privileged and access passwords can now be up to 32 characters long.

8. IQrecorder time lapse value can be specified either in seconds or as a hh:mm:ss value.
9. IQrecorder FTP server information has been enhanced to allow 63 characters for the FTP username and 32 characters for the password.
10. The dynamic print variable \$MSE (milliseconds since epoch) has been added. This dynamic print variable will be replaced by the actual time that an image was acquired. It can be used wherever a \$DP variable is applicable, i.e. for creating FTP filenames, as image overlays, etc.
11. Two new streams have been added to allow a host based system to get motion data without also getting actual images. See the IQinVision API / SDK Manual on the web site for more details.

Bug Fixes:

1. When the IQrecorder playback applet was unable to connect to the local FTP server it would generate an error message before attempting to connect to a NAT router, if specified.
2. IQrecorder setup and playback errors were displayed as hexadecimal codes rather than as plain text.
3. When loading new code from a web interface the browser would timeout before the camera had successfully rebooted.
4. Using authenticated SMTP login information for sending triggers was not working correctly.
5. IQ5xx cameras now correctly support maximum frame rate limits less than 5 fps.
6. IQ510 cameras when negotiating physical layer capabilities with certain switches the Ethernet connection would not come up.
7. When reloading firmware using the security settings web page, the new firmware could be corrupted if images were being served to a host system and if the 8. When firmware updates were being performed across a slow network connection.
8. When using the on-camera syslog memory buffer to view FTP transaction information not all logging would show up in the buffer.