

September 2015

IQEye Cameras Firmware

General Description

Vicon has released the latest firmware for a list of IQeye cameras. The accompanying IQFinder and IQManager discovery and setup tools do not change.

The updated firmware is as follows:

Camera	Older Firmware	Newest Firmware
IQM5xx – Alliance-mx older model	V4.1 / 185	V4.1 / 252
IQM6xx – Alliance-mx current model	V4.1 / 217	V4.1 / 252
IQD5xx – Alliance-mini current model	V4.1 / 185	V4.1 / 252
IQD6xx – Alliance-mini new model (coming soon)	N.R.	V4.1 / 252
IQ76xx – 7 series box camera	V4.1 / 185	V4.1 / 252
IQ86xx – Sentinel cameras	V4.1 / 185	V4.1 / 252
IQ87xx – 12MP Sentinel	V4.1 / 084	V4.1 / 256
IQA3xx – Alliance-pro older model	V4.1/ 185	V4.1 / 252
IQR5xx – Bullet camera	V4.1 / 185	V4.1 / 252

Vicon Production

The latest firmware and discovery tool are available on Vicon's web site. A link is provided in the installation section of this document. Production will switch over to the new firmware for new cameras.

Vicon recommends updating the cameras to this firmware to receive the most stable and secured solution.

Rev2.0

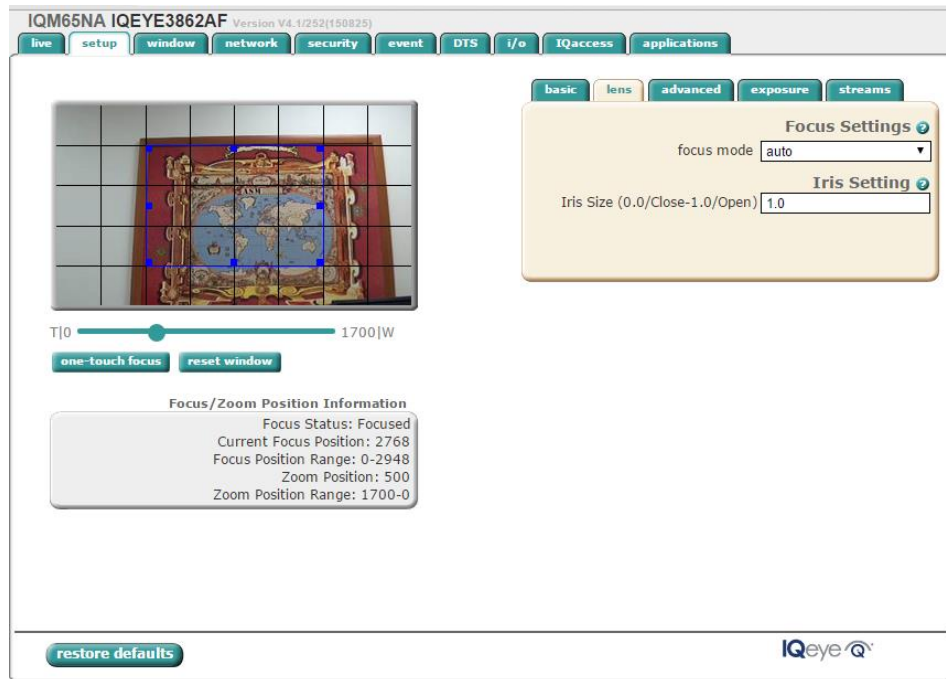
Firmware Updates

Low light performance

The camera firmware has been fine tuned to allow the best low-light performance possible. These calibrations are relevant to all listed models, including the 12MP Sentinel.

Slider control for motorized lens

Easy to use slider control has been added under the lens tab, allowing a simpler and more intuitive control of the motorized lens.



MFZ zoom speed

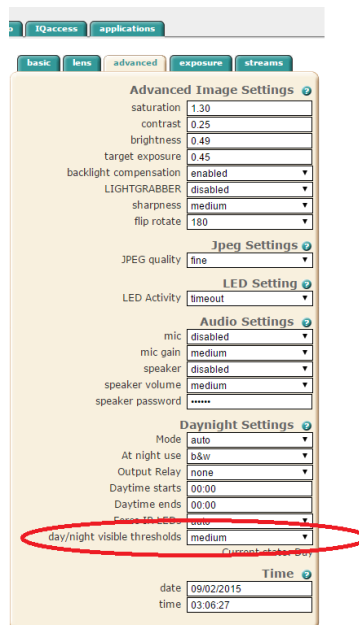
Zoom speed when controlling the MFZ lens (-A4 lens models) has been improved to offer smoother control of the lens

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Day/night threshold values

** All models except the IQ87xx 12MP camera

Added to the advanced image settings tab is the option to select the light level at which the camera will switch from day mode to night mode and back. This option offers three levels, low-medium-high, where **low** means the camera will enter night mode later (lower light) and enter sooner. The default is medium.



Support on HDEExpress

** All models except the IQ87xx 12MP camera

This firmware is the first officially supported one for the integration with the HDEExpress NVRs. The firmware supports using the camera in 720P and 1080P resolutions (see HDEExpress Release Notes for additional details).

Fit Window mode

When viewing the camera through a web browser, the default mode is now "fit window" to eliminate scrolling.

Corridor mode

** All models except the IQ87xx 12MP camera

Corridor mode has been enabled for all streams 1080P and lower.

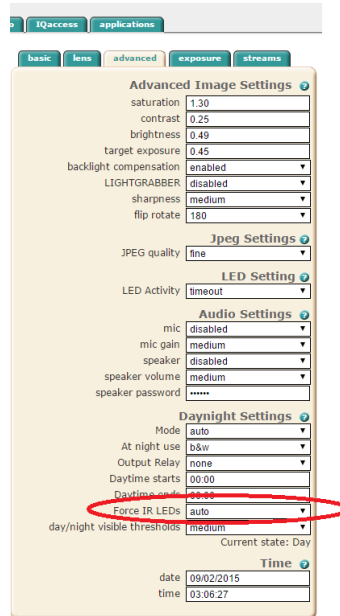
Additional motion areas

This version allows setting up to 16 motion areas.

IR control

Added the ability to set the IR illuminators to always on and always off (in addition to auto).

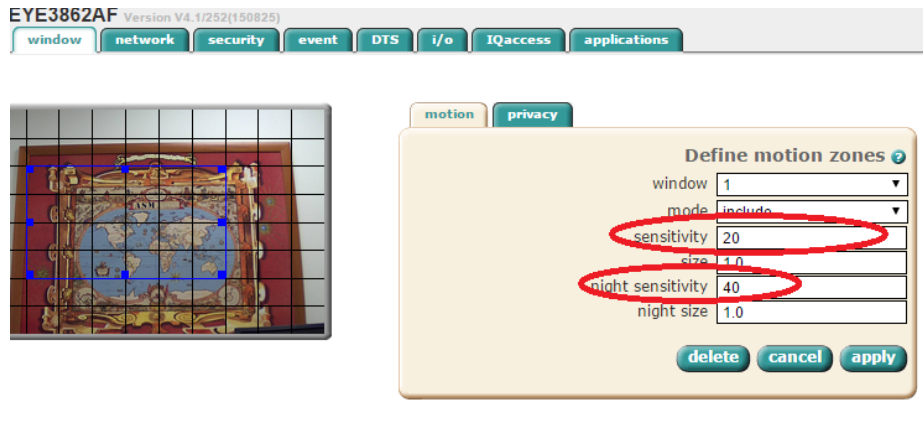
Rev2.0



Day/night motion sensitivity

** All models except the IQ87xx 12MP camera

Separated motion sensitivity to allow setting a different level for day and night times.



Major Issues Fixed in this Firmware

Privacy Mask Loss

Privacy mask no longer disappears following a reboot to certain cameras: IQA33N, IQA35N, IQ763N, IQ765N, IQ863N and IQ865N.

Auto-Focus Speed on IQA3xx-A3

The auto-focus speed on these cameras has been increased to shorten focus time

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Bright Image Issues

Occasional image oscillation in very bright environments has been eliminated.

WDR Image Quality

Tuned the image quality when using WDR in order to eliminate a washed out image effect.

Known Issues

Edge Recording NTP

When using Exacq Edge (or any Edge client) or when configuring standalone recording to the camera's SD card, be sure to configure a network accessible NTP time server for IQD5xx and IQM5xx cameras, as they do not have a real-time clock. Alternatively, you can use IQeye cameras from the IQD6xx, IQM6xx, IQ76xx, IQA3xx and IQR5xx families, as these models include a battery backed up real-time clock.

Restore Default Issue

Restoring defaults on the advanced image setup web page doesn't restore the day/night threshold value.

60 FPS on WDR

There is no ability to select 60 frames per second on one megapixel WDR cameras.

Analog Out Issue

In certain network environments the analog video output of the IQD6xx/IQM6xx will not work unless the camera has just been factory reset.

Edge Recording NTP

Selecting the Lightgrabber "4X" setting on the IQD5xx, IQM5xx and IQR5xx families of cameras could cause a brightness issue in the camera that results in a washed out image. The "4X" setting has been disabled.

IQRecorder Application

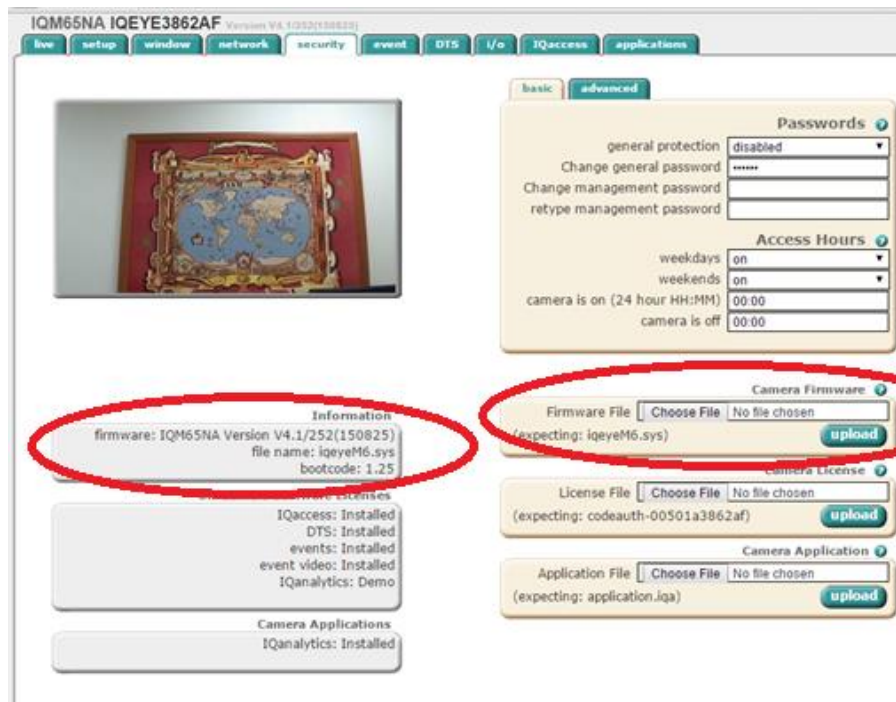
IQRecorder functionality is no longer supported.

Rev2.0

Installing the Updated Firmware

The latest firmware is available on Vicon's website from the Support tab – Technical Support – Software Downloads – Vicon Network Camera Software; a link is provided below.

<http://www.vicon-security.com/support-software-downloads-iqeye-cameras.htm> Download the firmware to your PC. Go to the camera's security tab.



Go to the camera firmware section and use the “choose file” button to locate the firmware on your PC. Press the Upload button. During the upgrade process, do not turn off the power to the camera. The new firmware should be installed. This can be verified on the information window on the left side.

You may also upgrade firmware using the IQManager software.