

## IQEye Cameras Firmware

### General Description

Vicon engineering 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 relevant to camera models as listed below:

Camera	Older Firmware	Newest Firmware
<b>IQM5xx – Alliance-mx older model</b>	V4.1 / 374	V4.2 / 042
<b>IQM6xx – Alliance-mx current model</b>	V4.1 / 374	V4.2 / 042
<b>IQD5xx – Alliance-mini older model</b>	V4.1 / 374	V4.2 / 042
<b>IQD6xx – Alliance-mini current model</b>	V4.1 / 374	V4.2 / 042
<b>IQ76xx – 7 series box camera</b>	V4.1 / 374	V4.2 / 042
<b>IQ86xx – Sentinel cameras</b>	V4.1 / 374	V4.2 / 042
<b>IOA3xx – Alliance-pro older model</b>	V4.1 / 374	V4.2 / 042
<b>IQR5xx – Bullet camera</b>	V4.1 / 374	V4.2 / 042

### Vicon Production

The latest firmware and discovery tools 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 shipping effective immediately. A link to the latest analytics application is also provided on the web site.

Vicon strongly recommends updating all cameras to the latest firmware for the most stable and secure solution. Please review the upgrade instructions described at the end of this document.

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## Firmware Updates

### Auto-Recovery on Flash Failure

In addition to the auto-recovery mechanism that was added in firmware 4.1/374, additional tools have been added to improve the robustness of the camera settings in case of flash memory corruption.

These tools provide a complete solution to protect from NAND flash related camera failures.

### ViconNet VMS\* Museum Search

The museum search feature for ViconNet VMS has been calibrated for optimal default values and accuracy. With this firmware, turning museum search on from the camera user interface will now work properly.

Note: The ViconNet museum search feature needs to be turned on in the camera. This is done automatically when the camera is added to the VMS (first configuration). If firmware is updated on an existing camera in the ViconNet VMS, the feature should be turned on from the camera web interface under the setup – basic tab.

\* This feature is supported only on the ViconNet VMS at this time

### Tamper Analytics in ViconNet

Corrected a problem where tamper analytics event is not being sent to ViconNet (even though seen in camera interface) that was introduced in 4.1/374.

### Updated Analytics Application

An updated analytics application file (ViconAnalytics\_20160301.iqa) is provided improving analytics performance and optimized to run with this firmware.

### Stream Setting Bug

Camera now allows (as it had in older versions) selecting 30 fps from stream 1 and setup of the other streams, where in previous version the other stream would not be enabled unless stream 1 was set to less than 30 fps.

### Exacq VMD Fix

Updated VMD integration to better work with Exacq VMS.

### ONVIF Improvements

Added support for pull-point video motion detection.

Added support for multicast transmission on all video and audio streams.

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## 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.

### High Brightness Issue

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

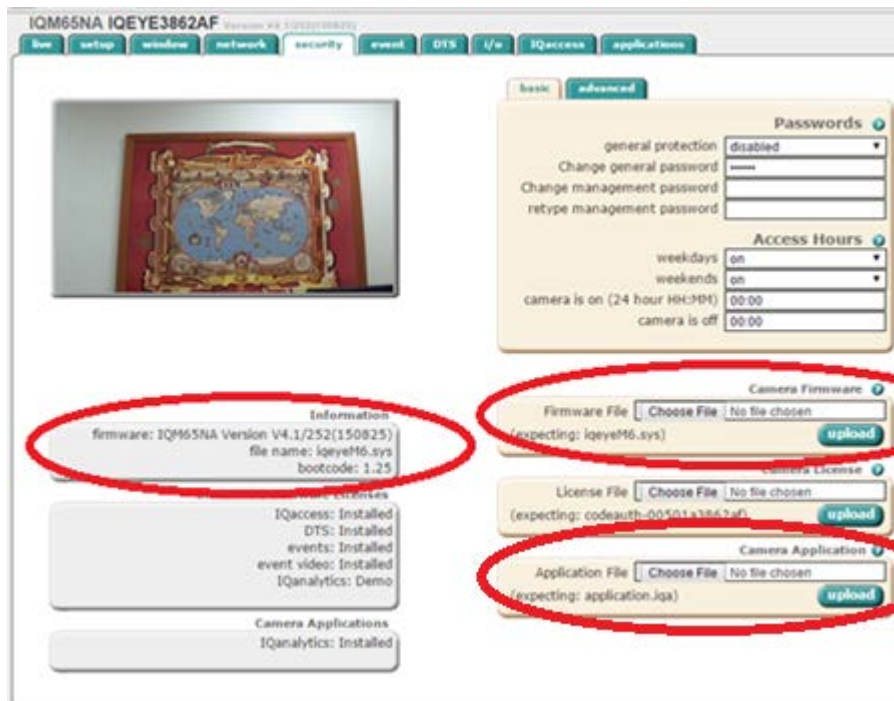
IQrecorder functionality is no longer supported.

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## Installing the Updated Firmware

All new production cameras have the latest firmware version. For upgrades, the latest firmware is available on Vicon's website from the Learn-and-Support tab – Software Downloads – IQeye-camera-software; a link is provided below.

<http://www.vicon-security.com/learn-and-support/software-downloads#iqeye-camera-software> 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.

The latest Vicon Analytics application is also available in the same location and should be updated as an application file after the new firmware has been successfully updated.

Upgrading the firmware can be also done using the IQfinder / IQmanager software without browsing to the cameras and for batch upgrades.