

Applies To

- IQeye 3xx and 6xx

Summary

Some diagnostic information can be determined by knowing the blink patterns of the LED's RJ45 connector at the rear of the IQeye3 camera.

The LED's are bi-color and can be either red, green or amber (both red and green).

Contents

- Operating blink codes
- Power-up failure codes

Operating blink codes

This table shows the blink codes exhibited by the two LED's that are visible on the rear of the IQeye camera. These LED's are integrated into the Ethernet connector. "Left" and "Right" refer to the position of the LED's on this connector, as viewed from the rear of the camera.

Left	Right	Notes
A	A	Initial application of power.
-	G*	Camera running, no network cable or no network connection. Also if you use a straight-through cable to connect camera directly to PC (should use a crossover cable).
G [†]	G*	Camera running, network attached. Typical pattern.
A	G*	Camera running, network attached. Moderately high network traffic.
R	G	LED's blink on-and-off together, about 2 times a second. Camera is functioning, but is in 'boot mode'. Typically only seen in production. Would indicate that, somehow, the operating code got whacked

G* = Solid Green, briefly blinks 'off' ever two seconds or so.

G[†] = Mostly green, occasional blinks of amber/red

A = amber

Power-up failure codes

There are some problems that are detected during the power-up self test. Typically, these blinks are only seen during initial production debug. If seen in the field, these failures almost always require a return to the factory for repair

These error sequence start with a double-fast-flash yellow, followed by a sequence of slow lights as shown below, then repeats.

Left	Right	Notes
- G G	R - R	General Failure
- G G	R - -	Bad NVR
- - - -	G G G G	NIC Alloc Failure
- - - G	G G G -	NIC Loopback Failure
- R	G -	Pin Strap Register Failure. Most typically caused by a dead NVR battery.
R G - -	- - R G	Serial Loopback Test Failure Most typically caused by a defective or missing serial board.
R R R -	- - - R	SDRAM Failure

Key - = off, G = Green, Y = Yellow, R = Red