



High-Powered Night Vision: Many Offer, Only Logitech Delivers

To help you protect your home and family day or night, Logitech Alert delivers high-definition, digital video security you can set up in minutes. And while many offer night vision, Logitech Alert cameras offer high-powered night vision that includes best-in-class illumination engineered to optimize video quality — so you can see more clearly in complete darkness.



**Logitech Night Vision
Camera Family**

A video-security system is only as good as the video it captures

When night falls, if your cameras can't capture video that allows you to recognize people and objects, then you aren't getting the security you need. To address this concern, many analog and IP camera manufacturers have designed systems with Infrared (IR) illumination. Infrared (IR) light is a spectrum of light (invisible to the human eye) that many video-security cameras use to capture video at night or in spaces (such as a garage) with poor or no lighting at all. Cameras with Infrared illumination are termed "Night vision" cameras. Cameras that use Infrared illumination with night vision technology makes it possible for you to see what's going on in complete darkness. However, not all night-vision cameras are created equal.

The difference between one camera's night vision and another comes down to a few important factors: the power of the IR illuminators, the presence of an Infrared (IR) cut filter, and whether or not the security camera IR illuminators match the Field of View (FOV) of the camera lens.

Powerful Illumination — see up to 100ft* in complete darkness

To help you identify people and objects more clearly in the dark, Logitech Alert includes the high-quality night vision technology—from the world leader in LED lights, Osram AG. Osram night vision technology is used by the world's top automobile brands, including BMW, Mercedes, Audi and Volkswagen.

Logitech carefully selects and designs the integration of the powerful infrared illuminators. This allows our 2 IR illuminators to outperform cameras that have dozens of low power illuminators.

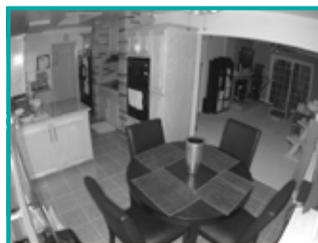
Competitor's Night Mode



Logitech HD - Lights Off



Logitech HD - Night Mode



Logitech HD - Full Light Mode



IR cut filters — exceptional video day *and* night

An IR cut filter enables night vision cameras to function better during the daytime. Without an IR cut filter, the camera lets full spectrum light into the cameras' sensor making it too sensitive to the IR infrared spectrum of visible light, resulting in dramatically reduced color quality that is manifested as an image that looks pink or grey and lacks color depth.

* 100ft night vision is available on the outdoor camera (750e/700e) and 50ft night vision on the indoor camera(750n/700n)

To deliver sharp video day and night, Logitech Alert cameras use an IR cut filter. During the day, the cut filter is placed in the optical path and eliminates IR light from entering the cameras' sensor so your Alert cameras capture consistently rich color video in daylight. When it gets dark, the camera sensor, which is actively monitoring light levels, removes the IR cut filter from the optical path and activates the powerful Logitech IR illuminators, delivering the best-quality night-vision video. Regardless of lighting conditions, the IR cut filter in Logitech Alert cameras helps ensure that you always capture the best quality video day or night.



Camera without IR cut filter



Camera with IR cut filter

Making sure illumination and FOV match

Most Infrared illuminators used in security cameras are “off-the-shelf” parts whose selection criteria are based more on economics than performance. And because IR Illuminators have many uses beyond security camera - they aren't typically optimized to match the camera that they are used in. When used in security cameras, Infrared illumination leaves the camera as a beam of invisible light. Like shining a spotlight into a small space, the illumination beams of most security camera IR illuminators are typically narrower than the field of view of the camera they are used in. The result is a pronounced “spotlight” that manifests itself in the center of the camera's image. The spotlight makes the image appear to be very bright near the center and as you travel to the outer bounds of the cameras field of view, the image becomes noticeably darker making it harder to identify objects.

To ensure that you get the full benefit of our 130-degree wide-angle lens, Logitech Alert cameras use Infrared illuminators that have been specially chosen to match the FOV of the camera lens. As a result, you'll be sure to enjoy a consistently sharp video across the entire image without the spotlight issue found in many other cameras with night vision.

Competitor's Night Mode

Camera Field of View
IR Illumination “beam”

Standard cameras

- Multiple low quality IR Illuminators
- Illuminator beam narrower than camera FOV, creating a spotlight effect

The field-of-view (FOV) range refers to the circumference of clearly visible video that a camera can capture.

Logitech's Night Mode

Wide angle camera Field of View
Matching IR Illumination “beam”

130° Wide angle lens

Logitech Alert cameras

- Powerful IR illuminators
- Camera FOV matches illuminator beam

Performance you can count on

To help you monitor your home and family, Logitech Alert delivers high-definition, digital video security you can setup in minutes. And while many offer night vision, only Logitech Alert cameras offer high-powered night vision that includes best-in-class illumination engineered to optimize video quality — even in complete darkness.