

# Flickerless Cameras

## Sentry 631B-D/N and 631BH-D/N

The Sentry 631B-D/N and the 631BH-D/N cameras feature a flickerless control (On/Off dip switch selectable) that captures the wide and intense range of color of some light sources and adjusts the color, gain, electronic shutter control and white tracking balance to produce a good quality color picture.

### Example #1

When pointing a security camera at lighting with a strong, wide and intense range of color (such as sodium, fluorescent or mercury vapor light), you will notice that the camera will continually try to adjust to the high color range of the lighting, most commonly referred to as 'pulsing'. Most cameras have a difficult time capturing the intense color illumination associated with these types of lighting making it hard for the camera to identify a 'correct' frame of reference, causing the camera to pulse.

### Example #2

If you have ever watched the news when they've shown a computer monitor in the background, you have probably noticed that the computer monitor appears to pulse, flicker and/or even have big scrolling lines. The harmonic power frequency difference between the cycle of 50 Hz fluorescent lighting and the vertical synchronization of the camera causes the 'flickering' on a monitor. These effects are overcome when a Flickerless camera is used.



**Flickerless Mode Off**



**Flickerless Mode On**

In addition to flickerless, the 631B-D/N and 631BH-D/N are day/night cameras, producing high quality color video in good light and switching to B/W in low light. Viewable B/W video is produced at Lux levels as low as .03 Lux.

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