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# Hi-Impact Night Vision with EX45LED & EX45 Quattro

### Objective

To provide vandal resistant Hi-Impact Dome surveillance that is color by day and infrared supported by night. Two domes are required: one for Quattro-featured color that switches to IR sensitive monochrome, and the other to provide infrared illumination. The EX45LED infrared illuminator can be strategically placed near dark areas to pull out whatever lurks in the shadows of a night scene.



### Night Vision Combination

- **Quattro Color** by day and infrared mono by night
- provides 30 feet of night vision at 940 nanometers
- provides 40 feet of night vision at 850 nanometers

Camera: **EX45Q.3xx**  
 Quattro Color Hi-Impact Dome, 350 TVL CCD

Lens: xx = Choice of 2.5 mm to 16 mm  
 Fixed 1/3" Micro

Illuminator: **EX45LED.940**  
 Hi-Impact Infrared - 42 LED Array, 940 nm  
 or: **EX45LED.850**  
 Hi-Impact Infrared - 42 LED Array, 850 nm



← Top Left:  
**Lights - ON**  
**Color - ON**  
**Infrared - OFF**

A color picture under low overhead lighting causes shadows under the table and a bright spot on the wall map. Accurate color renditions of blue, green and red are depicted. The model's black outfit is evident.



← Bottom Left:  
**Lights - OFF**  
**Color - OFF**  
**Infrared - ON**

A totally dark scene is uncovered in EVEN infrared reflectance. The model's suit is now in total IR reflectance. All details in the room are evident despite the darkness. Quattro-mode ensures no "color noise" in the scene.

### NOTES

1. Quattro cameras feature a dual-pass filter to allow certain bandwidths of photopic and infrared light. Man-made light that is heavy in some wavelengths may cause color distortion.
2. Clear domes with black inserts are recommended for best IR performance and looks.
3. Anodized metal bases in silver or black are standard.

