

BVO405A

Product Overview

Bavono BVO405A features a miniature light-weight design, a metal exterior, easy installation, and competitive pricing. It has 24 built-in High-Brightness Infrared LEDs with an effective range of up to 25 - 35 meters. BVO405A is a professional camera that is used extensively in offices, factories, warehouses, car parks, shopping malls, hotels, and retail stores.

Infrared Technology

A human eye can only detect wavelengths within the visible spectrum, which is only a small portion of the electromagnetic spectrum. Visible colors ranging from the longest to shortest are red, orange, yellow, green, blue, and violet. Colors with a longer wavelength than red are known as infrared radiation, and colors with a shorter wavelength than violet are known as ultraviolet radiation. Infrared bounces off objects in darkness and enters a special lens which is then generated into an image. This enables images to be captured in dark settings where the surroundings are not visible to humans.

Automatic White Balance

Colors are affected by different lighting sources and appear differently under sunlight due to the change in color temperature. Human eyes have the ability of adapting to the change in color temperature, but cameras often have difficulty adjusting so that what appears white to humans may not be rendered correctly in an image resulting in color deviation. Bavono cameras feature an automatic white balance function with a manual option which enables colors to be rendered correctly regardless of lighting source to eliminate the need to reset colors subsequently.

Backlight Compensation

Backlight Compensation avoids underexposure of an image when the background of the main subject is illuminated. This mechanism works by ignoring the areas of high illumination to prevent the main subject becoming too dark.

Absolute Color Accuracy

Bavono cameras utilize High Resolution Imaging and Double Scan CCD Technology to deliver more realistic colors and contrast enhancement.

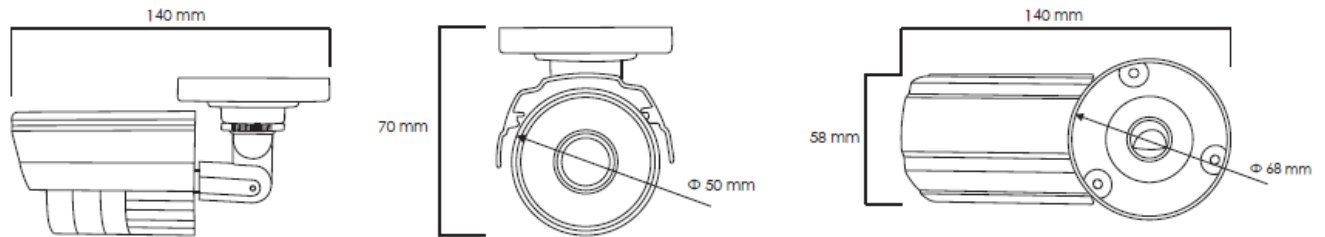
Features

- ▶ 1/3" Sony Color CCD
- ▶ Standard Resolution of 420 TV Lines
- ▶ Minimum Illumination of 0.05 Lux
- ▶ 24 IR LEDs
- ▶ IR LED Effective Range Reaches Up to 25 - 35 Meters
- ▶ Power Supply: DC 12V
- ▶ High Reliability Under Long Time Operation



1/3" Sony CCD	420 TVL	0.05 Lux	24 Units	25 - 35 m	Metal
Image Sensor	Resolution	Min. Illumination	LEDs	IR LED Range	Shell Material

Dimensions



Specifications

Model	BVO405A	
Video Standard	NTSC	PAL
Image Sensor	1/3" Sony CCD	
Internal	NTSC : 512 (H) × 492 (V)	PAL : 582 (H) × 512 (V)
Horizontal Resolution	420 TVL	
Min.Illumination (approx.)	0.05 Lux	
IR LED	24 Units	
IR LED Effective Range	Up to 25 - 35 Meters	
Synchronizing System	Internal	
Video Out Level	1.0 V (p-p) / 75ohms, Composite	
Video S/N Ratio	More than 48dB (AGC Off)	
Auto Gain Control (AGC)	Auto	
Back Light Compensation (BLC)	Auto	
White Balance	Auto	
Lens	3.6 mm / 6 mm	
Power Requirement	DC 12V	
Operating Temperature	-20°C - +60°C	
Shell Material	Metal	
Dimensions (mm)	150 x 57 x 65	

Applications



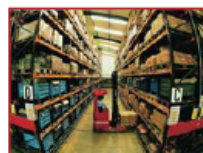
Offices



Car Parks



Shopping Malls



Warehouses



Hotels



Retail Stores