

## BVO478N-A

### 850TVL IR Array Bullet Camera

#### Product Overview

Bavono BVO478N-A is a weatherproof night vision camera featuring a simple contemporary design, high stability, and a durable metal exterior. Installation for this camera is so simple that a user manual may not be necessary, in contrast to the usual complicated installation procedures of other cameras. This bullet camera contains 2 LED Arrays with an effective range of up to 35 meters, and achieved an Ingress Protection Rating of IP66. BVO478N-A is suitable for both indoor and outdoor applications.

#### 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.

#### IR Cut Filter

A day and night color camera equipped with an IR cut filter has the ability to prevent color modification during daytime. During the day, the IR cut filter is placed in the optical path to filter out the infrared light to prevent unnatural-looking images due to color distortion. The IR cut filter is automatically removed in low light conditions, allowing the camera to make use of near infrared light to deliver high quality images.

#### Horizontal Resolution

Horizontal Resolution is one of the key factors in assessing the quality of cameras expressed in Television Lines (TVL). Optical low-pass filters are used in Bavono cameras to eliminate color aliasing. Serial Signal Processing and image enhancement technology deliver a high resolution of 850 TVL. The image quality is further enhanced via advanced image processing techniques and special algorithms.

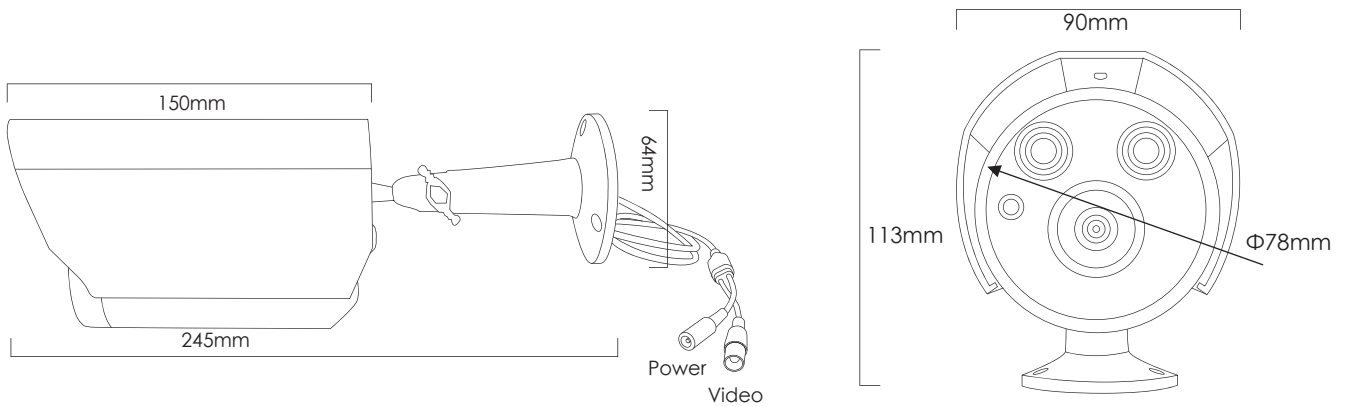
#### Features

- ▶ 1/3" Color Image Sensor
- ▶ High Resolution of 850 TV Lines
- ▶ Minimum Illumination of 0.5 Lux
- ▶ Automatic DWDR for light control
- ▶ Built-in IR-cut filter
- ▶ 2 LED Arrays
- ▶ IR LED Effective Range Reaches Up to 35 Meters
- ▶ Ingress Protection Rating of IP66
- ▶ Power Supply: DC 12V
- ▶ High Reliability Under Long Time Operation



1/3" Color Image Sensor	850 TVL	0.5 Lux	2 Arrays	35 m	IR-Cut	DWDR	IP 66
Image Sensor	Resolution	Min. illumination	LEDs	IR LED Range	Filter	Wide Dynamic Range	Ingress Protection

## Dimensions



## Specifications

Model	BVO478N-A	
Video Standard	NTSC	PAL
Image Sensor	1/3" Color Image Sensor	
Effective Picture Elements	720(H)*480(V)	720(H)*576(V)
Horizontal Resolution	850 TVL	
Min. Illumination (approx.)	0.5 Lux	
IR LED	2 Arrays	
IR LED Effective Range	35 Meters	
IR-Cut Filter	Built-in	
WDR	Auto	
Lens	3.6 mm (6mm optional)	
Protection Rating	IP66	
Power Requirement	DC 12V	
Operating Temperature	-20°C ~ +60°C	
Shell Material	Metal	
Dimensions (mm)	245(L) x 90(W) x 113(H)	
Gross Weight (g)	645	

## Applications



Offices



Warehouses



Hotels



Pubs



Retail Stores



Car Parks



Parks