

## BVS131

### 1.3 Megapixel 720P SDI IR Dome Camera

#### Product Overview

BVS131 1.3 Megapixel 720P SDI IR Dome Camera utilizes 1/3" 1.3 MP Ultra Low Lux image sensor. Bavono high definition SDI cameras employ leading edge sensor technology to capture the finest image details clearly and accurately. This state of the art camera features built-in OSD menu, conch shaped exterior, compact and lightweight design, easy installation, and a high price performance ratio. This camera contains 30 infrared LEDs with an effective range of up to 25 meters. BVS131 is a professional camera suitable for use in offices, factories, warehouses, restaurants, shopping malls, hotels, and retail stores.

#### SDI (Serial Digital Interface)

SDI, in simple terms, is an upgrade of traditional analog to high definition analog. It delivers the high resolution of IP surveillance, and at the same time, overcomes the latency problems associated with IP. Just like traditional analog, signals are transmitted via a coaxial cable, and the system architecture is also identical, hence new cabling and staff training are not necessary when upgrading from an existing analog CCTV system to SDI, saving time as well as human resources.

#### Exceptional Night Vision

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. Bavono IR cameras utilize high brightness IR LEDs, outperforming ordinary IR by 100% in terms of night vision performance, and with a longer usage lifespan.

#### Electronic Shutter

Electronic Shutter ensures clarity of objects in high speed motion. Shutter speed is directly proportional to image quality.

#### Accurate 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.

#### Eclipse

The eclipse feature of Bavono cameras allows selected bright light regions to be concealed in order to improve the visibility of objects surrounded by bright light. For instance, turning on eclipse at night time will cover up the headlights and surrounding bright light in order to capture clear image of a license plate.

#### Features

- ▶ 1/3" 1.3MP Ultra Low Lux image sensor
- ▶ 1.3 megapixel high definition image quality
- ▶ Minimum illumination of 0.001 Lux at F1.2 and 0 Lux with IR On
- ▶ 30 IR LEDs with an IR range of up to 25m
- ▶ Supports privacy masking
- ▶ Supports OSD menu operation
- ▶ Power Supply: DC 12V



1/3" 1.3MP Ultra Low Lux
Image Sensor

1.3 MP
Resolution

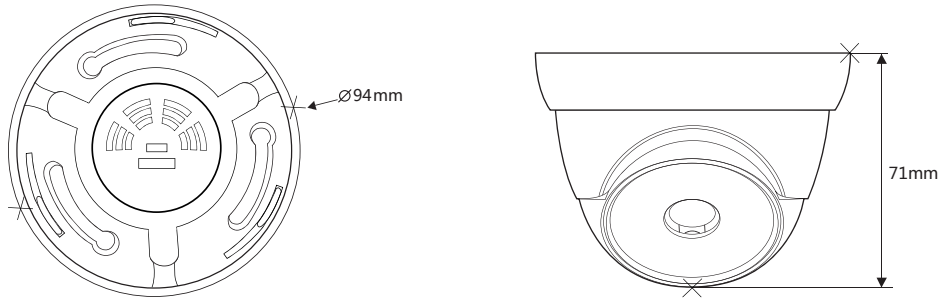
0.001 Lux / F1.2
Min. Illumination

30 units
IR LED

25 m
IR Range

OSD
Menu

## Dimensions



## Specifications

Model	BVS131
Video Standard	NTSC / PAL
Image Sensor	1/3" 1.3MP Ultra Low Lux
Total Pixels	1280 (H) x 1028 (V)
Effective Pixels	1280 (H) x 720 (V)
Maximum Image Transfer Rate	720P / 60fps
Synchronizing System	Internal, AC Line Lock
Scanning System	Progressive
Minimum Illumination	0.001 Lux / F1.2, 0 Lux (IR On)
IR LED	30 units
Effective IR Range	25m
Video S/N Ratio	>52dB
OSD Language	English
Privacy Masking	Support
Day & Night	Auto / B&W / Color / EXT
Backlight Compensation (BLC)	Level Setting (0 - 16)
Electronic Shutter	1/50s~1/3000s
Flicker	Off / 50Hz / 60Hz
Mirror / Flip	Off / On
Automatic Gain Control (AGC)	Low / High / EXT
White Balance	Manual / Auto / Indoor / Outdoor
Lens	3.6mm
Power Input	DC12V
Power Consumption	Less than 1.6W
Operating Temperature	-20°C~ + 70°C
Operating Humidity	Less than 90%
Shell Material	Plastic
Dimensions(mm)	94(Ø) X 71(H)

## Accessories

Model	Picture	Details
BVS-RP101		1CH HD-SDI Repeater * Transmission: 1CH input / 1CH output * Video: 1080P/1080i/720P *Maximum transmission distance: 150m * Power Supply: DC 12V
BVS-FB101		1CH HD-SDI Optical Video Transceiver * Transmission: 1CH input / 1CH output * Maximum transmission distance: 20km * Power Supply: DC 12V
RG59		Coaxial Video Cable Maximum transmission distance: 80m
3C-2V		Coaxial Video Cable Maximum transmission distance: 70m