

BVO304P

Ultra Wide Dynamic Range Vandal Proof Mini Dome Camera

Product Overview

Bavono BVO304P Ultra Wide Dynamic Range Vandal Proof Mini Dome Camera utilizes the cutting edge Digital Pixel System® (DPS) technology, featuring Ultra Wide Dynamic Range (UWDR) and Progressive Scan to deliver outstanding picture quality. The exposure of each individual pixel is adjusted according to its brightness to avoid overexposure of bright areas and underexposure of dark areas, which results in clear, high-contrast and true-color images regardless of lighting conditions. This mini dome camera features a vandal proof metal exterior to protect against violent and abusive behavior, suitable for use in settings that require a high level of security such as banks, jewelers, casinos, petrol stations, public transport interchange and prisons.

Wide Dynamic Range

In high contrast situations, when the field of view contains a wide range of lighting conditions such as backlight circumstances, overexposure of bright areas and underexposure of dark areas would have substantial adverse effects on the picture quality. Wide Dynamic Range cameras could overcome this problem by capturing both dark and light areas of an image and displaying the details of all areas in true-color including the darkest and the lightest areas.

Digital Noise Reduction

DSP (Digital Signal Processing) cameras utilize special digital noise reduction algorithms to significantly eliminate signal disturbances and color noise. As a result, motion trails are minimized to deliver high quality images.

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.

Features

- ▶ 1/3" Pixim Digital Pixel System® (DPS) Image Sensor
- ▶ High resolution of 540 TVL
- ▶ Minimum illumination: 0.8Lux (F1.2, 50IRE)
- ▶ Ultra Wide Dynamic Range
- ▶ Digital Noise Reduction for reducing HDD capacity
- ▶ Built-in OSD (On-Screen Display)
- ▶ Automatic day/night mode
- ▶ Vandal proof metal shell



1/3" Pixim DPS

Image Sensor

UWDR

Wide Dynamic Range

540 TVL

Resolution

Day / Night

Sensor Mode

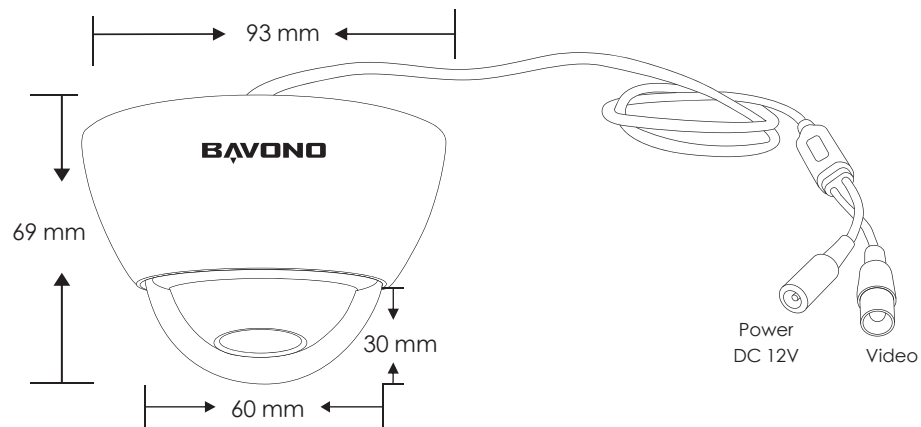
Vandal
Proof Metal

Shell Material

OSD

Configuration

Dimensions



Specifications

Model	BVO304P
Video Standard	PAL / NTSC
Image Sensor	1/3" Pixim D1500R, Digital Pixel System®(DPS)
Effective Pixels	720(H) X 540(V)
Pixel Size	7um x 7um
Horizontal Resolution	540TVL
Dynamic Range	102 dB(typical) - 120 dB(maximum)
White Balance	ATW / AWB / Manual
Minimum Illumination	Color: 0.8Lux (F1.2, 50IRE); Slow Shutter: 0.08Lux
Day/Night	Auto (Auto ICR optional)
Auto Gain Control (AGC)	Low / Medium / High / Custom
Digital Noise Reduction (DNR)	Built-in, On or Off selectable
Gamma Correction	Auto / Manual
Iris	DC / Video selectable (DC iris level adjustable)
Configuration	OSD Menu
Camera Title	Maximum 18 characters
S/N Ratio	More than 50dB
Video Output	1.0V p - p Composite Video Output, 75 Ohm
Power Requirement	DC 12V
Power Consumption	300mA
Mounting	C / CS Mount
Synchronizing System	Internal
Operating Temperature	- 10° C ~ +50° C
Shell Material	Vandal Proof Metal
Shell Color	Black / White
Dimensions (mm)	93 (Ø) × 69 (H)
Weight (g)	384

Applications



Banks



Jewelers



Casinos



Railway Stations



Prisons



Car Parks



Petrol Stations