

BVO304H-X

700TVL Vandal Proof Mini Dome Camera

Product Overview

Bavono BVO304H-X High Resolution Vandal Proof Mini Dome Camera utilizes Sony Super HAD II CCD image sensor and cutting edge Digital Signal Processing (DSP) technology to deliver a high resolution of 700TV Lines. This state-of-the-art camera features built-in OSD and UTC (up-the-coax) technology, which enables control of the OSD menu via a coaxial cable with the use of a remote controller, which makes it easier and more convenient to set a camera after installation. The vandal proof metal exterior provides protection against violent and abusive behavior, suitable for use in settings that require a high level of security such as banks, jewelers, casinos, petrol stations, transit stations and prisons.

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 700TVL. The image quality is further enhanced via advanced image processing techniques and special algorithms.

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.

Privacy Masking

The Privacy Masking function allows users to block out designated areas where video surveillance is not desirable.

Electronic Shutter

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

Features

- ▶ 1/3" Sony Super HAD CCD II
- ▶ More than 700TVL of Horizontal Resolution
- ▶ Minimum Illumination of 0.05 Lux at F1.2
- ▶ UTC (up-the-coax) technology for remote OSD configuration (compatible UTC controller is required)
- ▶ The defog function enhances picture clarity during conditions such as rain, fog, and haze
- ▶ Digital Wide Dynamic Range
- ▶ 8 Zones Privacy Masking Function
- ▶ Digital Noise Reduction for Reducing HDD Capacity
- ▶ Power Supply: DC 12V
- ▶ Vandal Proof Metal Shell



1/3" SONY
Super HAD
CCD II

Image Sensor

700 TVL (Color)
800 TVL (B/W)

Resolution

0.05 Lux /
F1.2

Min. Illumination

D-WDR

Wide Dynamic
Range

OSD

Menu

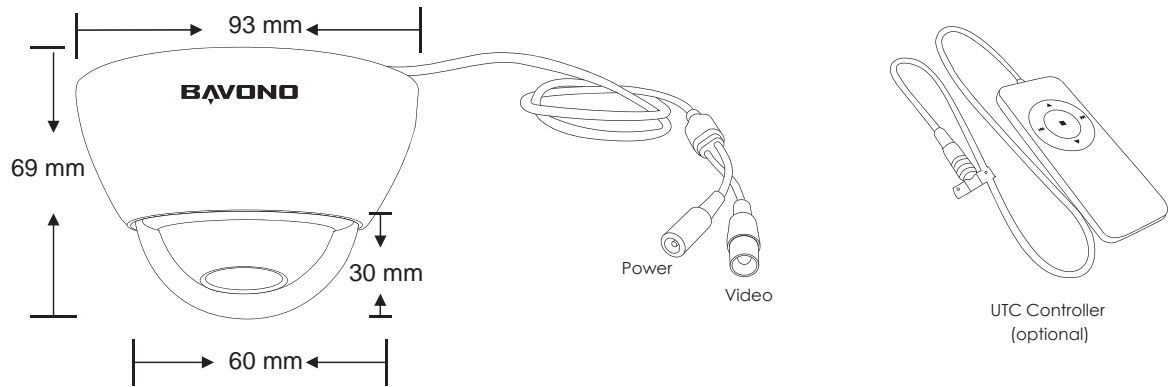
UTC

OSD Control

Defog

Advanced

Dimensions



Specifications

Model	BVO304H-X
Video Standard	NTSC / PAL
Image Sensor	1/3" Sony Super-HAD II CCD
Total Picture Elements	1020(H) X 508(V) / 1020(H) X 596(V)
Effective Picture Elements	976(H) X 494(V) / 976(H) X 582(V)
Synchronizing System	Internal, AC Line Lock
Horizontal Resolution	Color: More than 700 TVL B/W: More than 800 TVL
Minimum Illumination	Color: 0.05 Lux@F1.2(50IRE) / 0.06 Lux(15IRE) B/W: 0.01 Lux@F1.2(50IRE) / 0.006 Lux(15IRE)
Video S/N Ratio	52dB
OSD Language	English / Simplified Chinese / Traditional Chinese
Day / Night Mode	Auto / Day / Night / Ext / CDS
Highlight Compensation (HLC)	Low / Middle / High
High Speed Shutter	Indoor Outdoor (1/60(1/50) ~ 1/120Ksec)
Flickerless Mode	OFF / ON
WDR	AUTO / MANUAL (Low / Middle / High)
Auto Gain Control (AGC)	Level Setting
ALC (Auto Level Control)	AI Lens (DC)
Defog	AUTO / MANUAL (Low / Middle / High)
Digital Noise Reduction (DNR)	Off / Low / Middle / High (Adaptive 2D)
Gamma	0.35 ~ 0.70
White Balance	ATW / Push / Manual
Camera No. / ID	Off/On (Max. 255 NO, 8ea ID/1Line)
Motion Detection	4 zones (On/Off, Position, Sensitivity)
Privacy Masking	8 zones (On/Off, Color, Position)
Lens	F3.6mm(Standard)
Video Output	VBS 1.0V p-p (75ohm Terminated)
Power Input	DC12V ± 10%
Power Consumption	Less than 1.2W
Operating Temperature	-10°C ~ +50°C
Operating Humidity	Less than 90%
Shell Material	Plastic
Shell Color	Black / White
Dimension (mm)	93(Ø) × 69(H)
Weight(g)	384

Applications



Banks

Jewelers

Casinos

Railway Stations

Prisons

Restaurant Chains

Petrol Stations

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