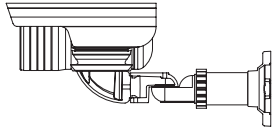Night Vision Camera

VBC-800PI30-WC
VBC-800NI30-WC

User Guide

VISTA
Honeywell

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1. Features

- The camera adopt 1/3" SUPER HAD Ⅱ CCD and advanced Digital Signal Processor (DSP) technology, Enhances picture quality greatly to a horizontal resolution of 540TVL, provides clearer and more vivid image.

- Integrates vari-focal lens allows for versatile utilization.

- The camera provides automatic mode change over by sensing day or night conditions. It can change color mode in the day condition to optimal color and B/W mode in night condition for clear identification.
(Only the IR Cut filter removal Day/Night Camera)

- Integrated efficient powerful IR LED array can capture high-resolution picture even in complete darkness. Night view distance up to 25~30m.

- Light control design. Auto light detection for IR LED switch control and constant current; It is reported on light stability.

- Exquisite design for circuit and structure, incarnates high technology.

- Aluminum structure, all-sealed water proof body.

- Outdoor sunshield housing available.

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2. Caution

- Do not disassemble or modify the camera to avoid possible fire, electric shock or other hazard Please refer repairs or service to a qualified service technician.

- Take care when installing the camera. Avoid scratching the front glass window.

- Avoid Shock, Vibration. Do not install the camera on an unstable surface. It can be damaged by improper use or storage.

- Never point the camera towards direct sunlight or other sources of bright light in order to avoid a dimmer image due to too much backlighting or causing smear.

- Use the camera within the published temperature, humidity, and electrical ranges.

- Provide ample slack in the video and power cables once the camera is installed in its final position.

- Request for service by a qualified technician if the camera malfunctions or generates excessive amounts of heat.
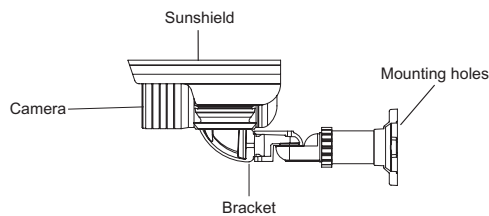
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3. Accessories list

Unpack the camera carefully and make sure that all accessories are included for the installation.

No.	Items	Quantity
1	Camera	1 PCS
2	Sunshield	1 PCS
3	Instruction	1 PCS
4	Screws	1 Bag

If any parts are missing, please contact your distributor for assistance.
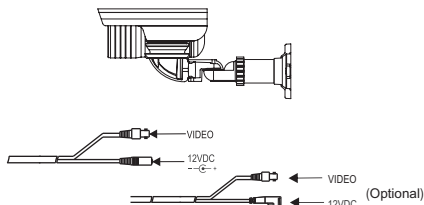
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4. Parts description

Sunshield
Mounting holes
Camera
Bracket

5. Installation

1. Fix the mounting bracket to the wall as below figure.
2. Connect the camera with DC12V adapter(-+) and video output connector, power up and a video picture will be seen at the monitor.
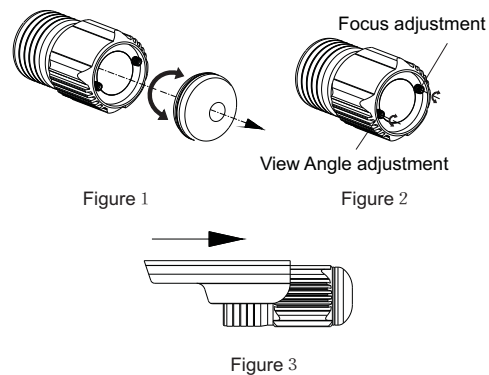

VIDEO
12VDC
VIDEO
12VDC (Optional)

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6. Adjustment

Adjust varifocal lens according to the application.When adjusting, the lens should be dismantled carefully by professional installer.

1. Screw off the camera's back cover .(Figure 1)
2. Use a right-angled screwdriver to insert the View Angle or Focus adjustment groove , and adjust the View Angle or Focus respectively to get a fine image effect. (Figure 2)
3. After adjustment finished, gyre the back cover, and cover the sunshield on the camera. (Figure 3)

Focus adjustment
View Angle adjustment
Figure 1   Figure 2

Figure 3

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7. Specifications

Model	VBC-800PI30-WC	VBC-800NI30-WC
Image Sensor	1/3" SUPER HAD II CCD	
Signal System	PAL	NTSC
Effective Pixels	752(H)x582(V)	768(H)x494(V)
Resolution	540TV Lines(Color), 600TV Lines(B/W)	
Minimum Illumination	0.1Lux/F1.2(IR LED OFF), 0Lux (IR LED On)	
Shutter Speed	1/50-1/100,000SEC	1/60-1/100,000SEC
S/N Ratio	More Than 50dB	
White Balance	Automatic	
AGC/BLC	Automatic	
Gamma Correction	0.45	
Sync Model	INT	
Lens	Varifocal lens, f=4-9mm	
IR LED	Wave Length 850nm, x 36pcs IR LED	
IR Beam Distance	25~30m	
IR LED Drive	On: 1~3Lux; Off: 5~6Lux	
Video output	1.0Vp-p, 75Omh, Sync Negative Polarity	
Power Input	DC12V Regulated	
Power Consumption	150mA(IR LED OFF)+280mA(IR LED ON)	
Operating Temperature	-10℃ ～ +50℃, RH90% MAX (non-condensing)	
Body	Aluminum	
Weight	1000g	

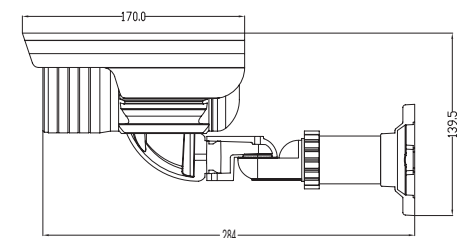All data and specifications subject to change without notice.

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8. Type Number Overview

Model	VBC-800PI30-WC	VBC-800NI30-WC
Signal system	PAL/12VDC	NTSC/12VDC

9. Dimensions

170.0
139.5
284

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