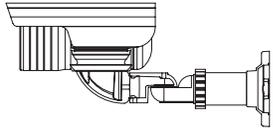Night Vision Camera

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

User Guide

VISTA
Honeywell

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.

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.

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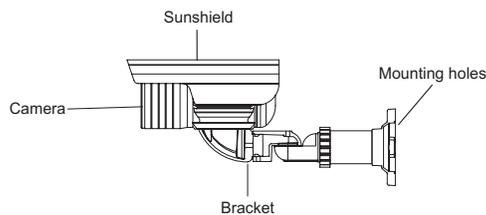
Unpack the camera carefully and make sure that all accessories are included for the installation.

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

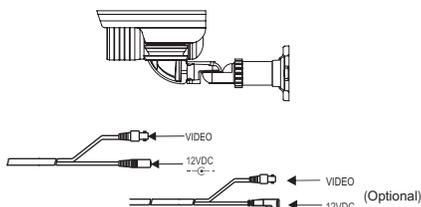If any parts are missing, please contact your distributor for assistance.

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.
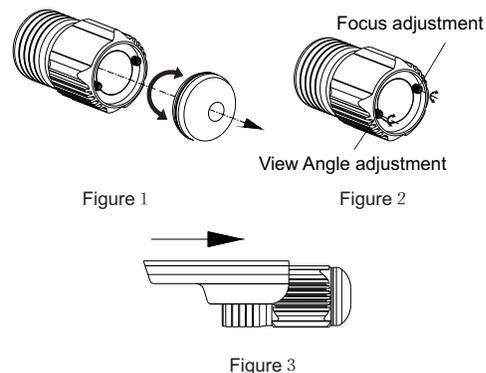

VIDEO
12VDC
VIDEO
12VDC (Optional)

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

7. Specifications

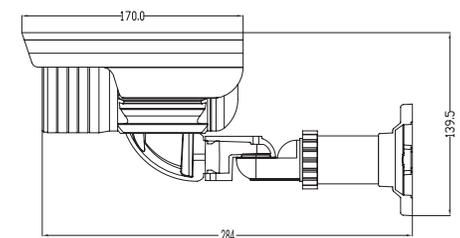| Model	VBC-800PI30-WC	VBC-800NI30-WC
Image Sensor	1/3" SUPER HAD II CCD	
Signal System	PAL	NTSC
Effective Pixels	752(H)x582(V)	768(H)x494(V)
Resolution	540TV Lines(Color), 600TV Lines(B/W)	
Minimum Illumination	0.1Lux/F1.2(IR LED OFF), 0Lux (IR LED On)	
Shutter Speed	1/50-1/100,000SEC	1/60-1/100,000SEC
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.

8. Type Number Overview

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

9. Dimensions

170.0
139.5
284