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FULL COLOR DUAL LIGHT
CCTV CAMERA

QUICK GUIDE

NOTES:
Before providing power for the camera, please read
this User Guide in detail.

Do not attempt to disassemble the camera. If the camera
is not working, please contact your local installer.

Introduction

Congratulations on your purchase of this product. We adopt the latest image sensor and DSP technology. It features a very compact and discrete case. In addition, it can provide high definition video, stable quality, strong anti-interference, rich and true to life color. Installing this products is very convenient. It is the most technologically advance CCTV system in the market today.

Please read this instruction manual carefully to ensure proper use of the products.

The symbol is intended to notify the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the device.

The Symbol is intended to notify the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the user.

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE TECHNICIANS.

CAUTION: TO PREVENT ELECTRIC SHOCK AND RISK OF FIRE HAZARDS, DO NOT USE OTHER THAN SPECIFIED POWER SOURCE

NOTE:
• Please take note the camera's operating temperature and its operating environment requirements. Avoid using the camera at too high or too low temperatures.
• Never make the camera face the sun or bright object. Otherwise, it will damage the image sensor.
• Do not mount the camera near a radiator or heater.
• Specifications are subject to change without prior notice.

Installation Guidelines

• Avoid installing it directly towards the sun.
• Do not install it in the place where temperature is too low or too high.
• Do not install in areas with frequent vibration.
• Avoid operating and storing in the water.
• Avoid placing Video cable connector and DC connector on water.
• Please ensure that power supply input is right.
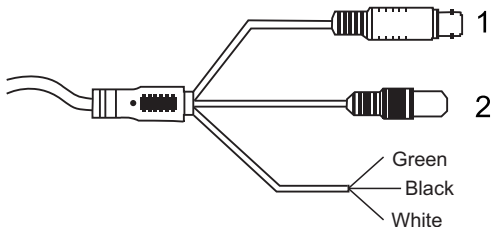
Cable Interface Instruction

• C tail line of AHC interface instruction
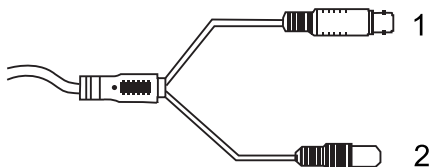
Line Function Introduction

Serial Number	Function
1	Video Output
2	DC12V Input

C1 Tail Line Interface Instruction

Green
Black
White

| Electric Wire	Video Output
Connect green and black	CVI
Connect black and white and green	CVBS
Connect black and white	TVI
Not shot	AHD

Bullet Camera Wall Installation

Before installing the camera, please make sure that all production in the box are intact.

Step1: Install the wall bracket on the wall surface properly.
Step2: Install the camera on the wall bracket with screw and tighten.

Step3: Adjust the camera to the appropriate angle and tighten.

0° ~ 90°
Vertical adjust screw
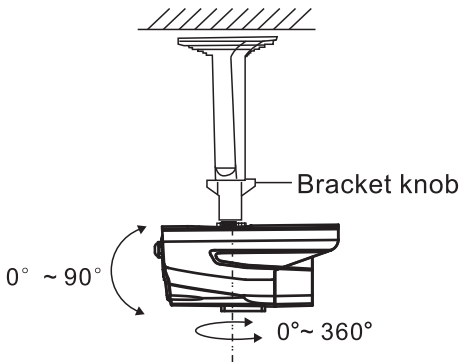
0°~ 360°
Level adjust screw
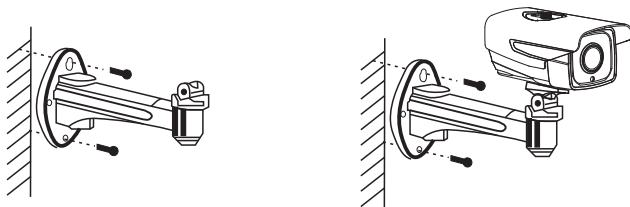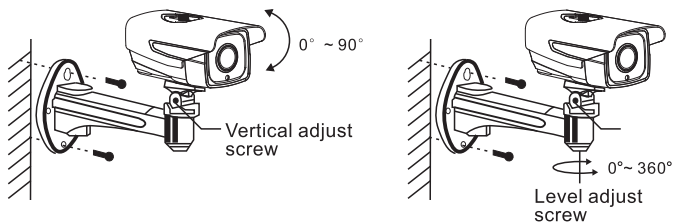
Bullet Camera Housing Installation

Step1: Install the lifting scaffold in the ceiling properly.
Step2: Remove the camera sun shade screw, then install it on the lifting scaffold and tighten.

Step3: Adjust the camera to the appropriate angle and tighten.
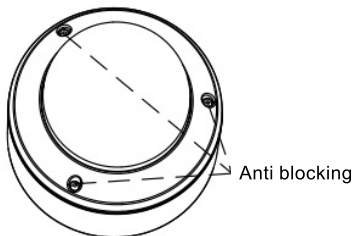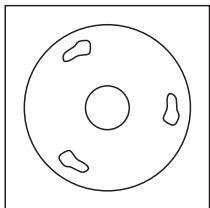
Bracket knob

0° ~ 90°

0°~ 360°
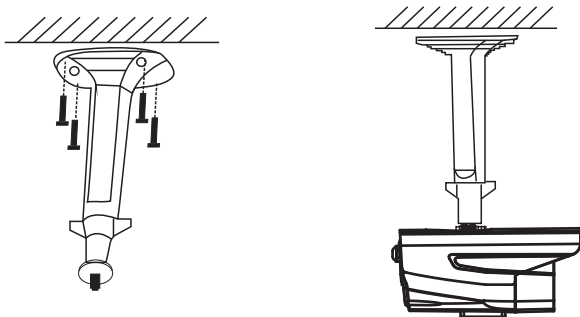
Dome Camera Housing Installation

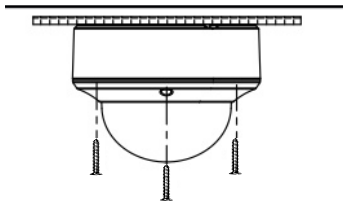Step1: Paste the sticker on the wall and punch holes according to it.

Step2: Take out camera from the packing box and remove the protective and components after loosening the screw on camera with a screwdriver.

Note: You need to open line holes in case of threading through the wall.

Anti blocking

Step3: Use tapping screw to immobilize the camera pedestal on the wall and adjust the camera movement to appropriate angle.

Step4: Mount camera shield and the front cover components, tighten the screw and finish.
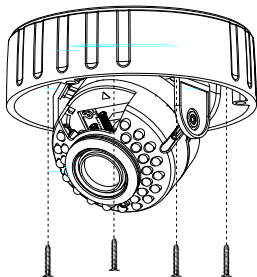
Conch Camera Installation

Step1: Paste the sticker on the wall and punch holes according to it.
Step2: Use tapping screw to immobilize the camera pedestal on the all.
   (If it is a cement wall, you need to install the expansion screw.)

Note: You need to open line holes in case of threading through the wall.
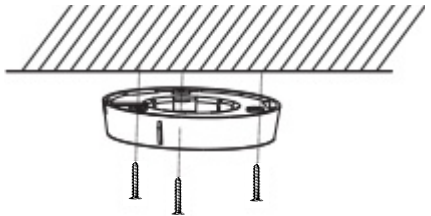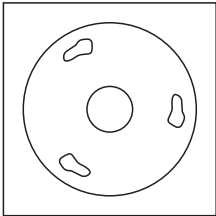
Step3: Sort out the tail line of camera, aim the camera shell at snap joint,
   buckle on the tighten.
Step4: Adjust the camera lens to the appropriate angle and finish.

360°

0-90°

360°

Power

Cable

AHC

Coaxial line

DVR

VGA

Power

Monitor

Mouse
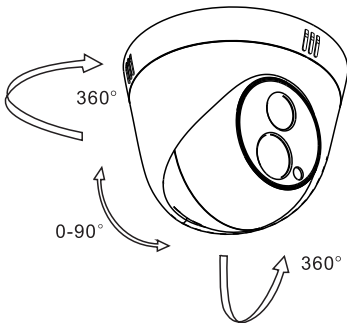
Coaxial Control Instruction

Coaxial control function can transmit the video signals and control signals at the same time with a coaxial cable.

It is more convenient to debug and more easy to maintain. It also can save the cost of control lines, control decoder, and labor cost.

It is equipped with special interface and function integration.

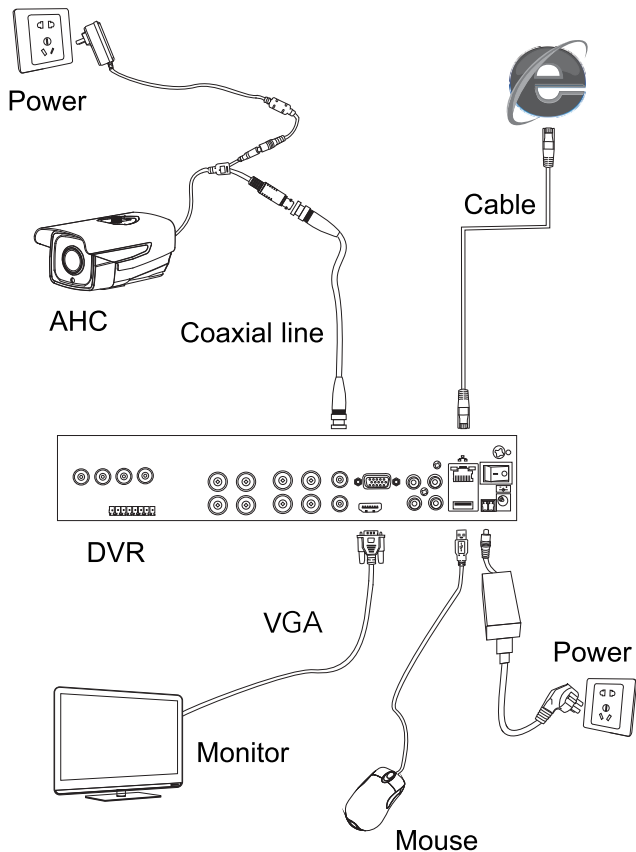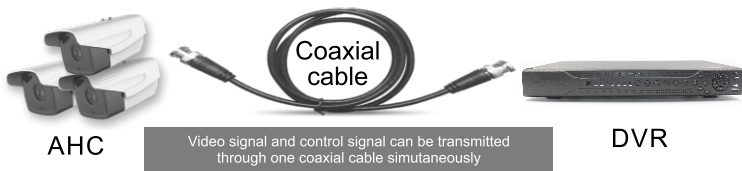It doesn't need to invoke frontend OSD. It has many languages to choose.

AHC

Coaxial cable

Video signal and control signal can be transmitted through one coaxial cable simutaneously

DVR

Note: The coaxial control function can be used in some camera only and it should be used with AHD coaxial DVR.

Coaxial Control Operate Interface

Right click [Coaxial control], interface is as follows:

Coaxial control

Channel [1 ▾] Advanced

Brightness ———■——— 50
Contrast ———■——— 50
Saturation ———■——— 50
Hue ———■——— 50
Acutance ———■——— 50
Mirroring☐ Overturn☐ IRC Reverse Order☐
Removal of Moire☐ Anti-Aliasing☐

Restore   OK
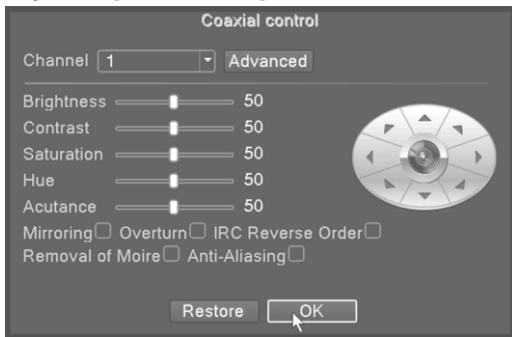
Drag the slider to adjust the parameters of hue, saturation and so on

*Specification are subject to change without prior notice.

Click [Advanced], interface is as follows:

Advanced

Image style	0
Exposure mode	automatic
day/night mode	Infrared
BLC	open
Auto Iris	open
Noise Level	3
ICR Threshold	50
AE	50

OK
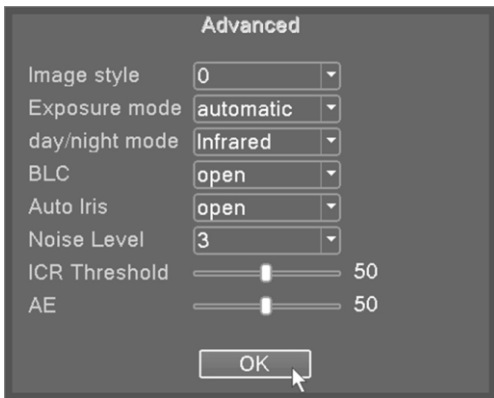
Change the parameters of exposure mode, noise level and so on.

Technical Parameters

	RXD913GNAFD	RXB913GHCFD	RXBC13GHCFD
Sensor Type	2.0MP 1/3" low illumination CMOS sensor		5.0MP 1/2.7" low illumination CMOS sensor
Signal System	NTSC		
Resolution	1080P		5MP
Electronic Shutter	1/50(1/60)s to 1/10,000 s		
Minimum Illumination	Color:0.01Lux @(F1.2,AGC ON); 0 Lux with IR B/W: 0.001 Lux @ (F1.2,AGC ON),0 Lux with IR		
Lens	HD lens 2.8mm		
Lens Mount	M12		
Video Output	XVI / AHD / TVI / CVI / CVBS@1080P		XVI / AHD / TVI / CVI: 5MP@20fps 5MP@12.5fps; CVBS:960H P/N
Infrared Distance	2 array lamps, 2 white lights "IR2": 20-30 meters		
Day & Night	IR cut filter with auto switch		
Temperature	-10℃ - +60℃		
Humidity	10% - 90% RH		
Power Supply	DC12V±10%		
Power Consumption	MAX 3W		

Troubleshooting

- The video has interference.
  May be caused by the power supply AC ripples, it needs to filter the wave of the power supply.
  Check the monitor and peripheral equipment used.
- No Picture after connecting power supply.
  Check for stable power supply voltage. Please check the power supply voltage and check if
  polarity is correct.
  Please check if all cables are connected properly.
- Picture has a lot of smear.
  The power supply voltage is unstable.
  Connecting cables are not connected properly nor have high impedance
- The video's background color change continuously.
  The fluorescent lamps electromagnetic field causes color rolling. This is a normal phenomenon
  of cameras.
  Reduce the number of fluorescent lamps or move the cameras away from the fluorescent lamps.

Protecting Your CCTV System

- Please be advised that the Electronic Security Equipment are sensitive to
  voltage surges. Majority of defects are caused by unstable 220VAC
  power supply, power fluctuations, and transient surges. Furthermore, failure of
  equipment is usually experienced after a brownout or after a thunderstorm.

- In general, we recommend that you purchase a 12VDC Regulated Power Supply
  and an Automatic Voltage Regulator with Power-On-Delay considering that these
  have been tested to protect against the most common causes of damage to
  CCTV System.

- Failure to protect your system with the above-mentioned equipment may
  void your one (1) year warranty if the damaged equipment sustains burnt
  marks, which is an evidence of power fluctuation or surges due to brownouts,
  lightning strikes and unstable power supply.

- However the use of both 12VDC Regulated Power Supply and AVR with
  Power-On-Delay is not a guarantee that your equipment will not sustain
  damage due to power fluctuations and transient surges as the above-
  mentioned products can only protect the equipment to a certain degree.

- If the customer knows his area has these power fluctuation problems, we
  recommend the use of high grade AVRs such as Servo Motor Automatic
  Voltage Regulator with Power-On-Delay and/or True-On Line Uninterruptible
  Power Supply (UPS). Further, we also recommend the use of Coaxial Surge
  Protection Device and Power and Video Surge Protection Devices with proper
  grounding.

- For Lightning Strike prone areas, we recommend that you protect your CCTV
  equipment with Lightning Arresters that is properly grounded.

Distributor: