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ROVER XVI SYSTEMS

XVI TECHNOLOGY 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 product 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

- 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.

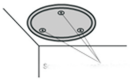
Troubleshooting

- 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.

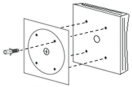
Mount Your Camera Ceiling/ Wall Mount

You can use it wall-mounted or ceiling-mounted.

1.Locate the holes, drill and then mount the plastic rivets of self-tapping screws.



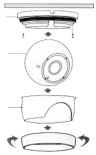
(Dome Camera)



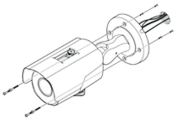
(Bullet Camera)

1. Paste the sticker template sheet on the wall and align the cross center to the hole in the wall.
2. Lead the cables across the hole on the wall.

2. Mount your camera



(Dome Camera)

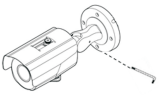


(Bullet Camera)

1. Lead tapping screws through the guide holes in the base and fix them on the wall by using a screwdriver.
2. Connect all the cables.

3. Adjust the monitoring direction.

(Dome Camera)

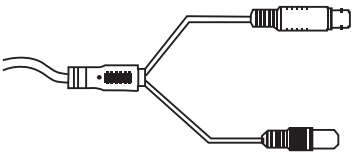


(Bullet Camera)

1.Screw the locknut to loosen the joint and be able to adjust/ rotate the camera to desired position.

2.Tighten the locknut.

Line Interface Instruction



Note: Use XVI Control to change the video output of the camera

NOTE:

- The power supply must be tested and certified according to safety standards. Its output voltage, current, voltage polarity and operating temperature must match the camera's requirements.
- When using the camera in lightning prone areas, please note to mount lightning arresters or turn off the camera power supply during heavy rain with lightning.
- In order to capture high quality pictures, the power supply's cable and video cable should not be too long.

The Camera Installation requirement

To ensure the effect of the dual-light camera, please install the camera as follow;

The camera installation height is between 2 and 3.5 meters, and the camera center line of sight is between 0 and 30 degrees horizontally;

The shoulder width of the human should more than 1/10 of the monitoring screen, and the appearance time more than 3 seconds.The camera should face the open scene and try to avoid occlusion.

Note: 4 meters away from the camera.

Alarm Light Control

Right click **(Alarm Light)**, light can be manually turned **on** and **off** as needed.

Note: The XVI control function can be used in XVI camera only and it should be used with 1000 series DVR.

1. XVI Control Operate Interface

Right click(XVI Control), interface is as follows:

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

Click (Advanced), interface is as follows:

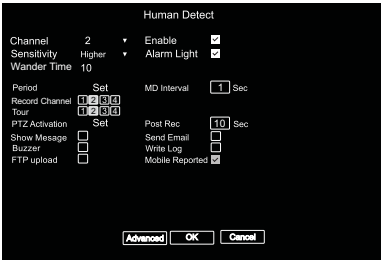
Change the parameters of exposure mode, noise level and so on.

2. Image Enhancement

3. XVI Upgrade

Plug in the flash drive with firmware then select which camera channel to upgrade

Dual-light Human detection Function Setting



Human Detection Operation interface

The above event become active only when you click the **"Enable"** check box at the top of events page and configure the setting at least the sensitivity.

Technical Parameters

	RXD913GNAD / RXD913GNAD2 / RXD913GNAD3	RXD913GNJD	RXDC13GNJD / RXDC13GNJD2	RXDC13GNJD3
Sensor type	1/ 2.9” CMOS	1/3” CMOS	1/ 2.7” CMOS	
Signal System	NTSC			
Resolution	1080P		5MP	
Electronic shutter	1/60S ~1/10,000S			
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	2.8mm			
Lens Mount	M12			
Video Output	XVI / AHD / TVI / CVI / CVBS		XVI / AHD / TVI / CVI	XVI / AHD / TVI / CVI / CVBS
Infrared distance	1 Array Lamp 20m-30m			
Day & Night	Support ICR			
OSD	Support			
UTC	Support			
Temperature	-10℃ - +60℃			
Humidity	10% - 90% RH			
Power Supply	DC12V±10%			
Power Consumption	MAX 3W			

*Specification are subject to change without prior notice.

	RXB913GLKD / RXB913GLKD2 / RXB913GLKD3	RXB913GHBD / RXB913GHBD2 / RXB913GHBD3
Sensor type	1/3” CMOS	
Signal System	NTSC	
Resolution	1080P	
Electronic shutter	1/60S ~1/10,000S	
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	2.8mm	
Lens Mount	M12	
Video Output	XVI / AHD / TVI / CVI / CVBS	
Infrared distance	1 Array Lamp 30m	
Day & Night	Support ICR	
OSD	Support	
UTC	Support	
Temperature	-10°C - +60°C	
Humidity	10% - 90% RH	
Power Supply	DC12V±10%	
Power Consumption	MAX 3W	

*Specification are subject to change without prior notice.

	RXD913GNCC	RXB913GHDC
Sensor type	1/3” CMOS	
Signal System	NTSC	
Resolution	1080P	
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	2.8mm	
Lens Mount	M12	
Video Output	XVI / AHD / TVI / CVI	
Infrared distance	2 infrared lamps, 2 white lamps 20-30m	1 Array lamp, 1 white lamp 20-30m
Day & Night	Support ICR	
OSD	Support	
UTC	Support	
Temperature	0°C - +55°C	-10°C - +60°C
Humidity	10% - 90% RH	
Power Supply	DC12V±10%	
Power Consumption	MAX 4W	MAX 3W

*Specification are subject to change without prior notice.

	RXBC13GLKD / RXBC13GLKD2 / RXBC13GLKD3	RXBC13GHBD / RXBC13GHBD2	RXBC13GHBD3
Sensor type	1/ 2.7" CMOS		
Signal System	NTSC		
Resolution	5MP		
Electronic shutter	1/60S ~1/10,000S		
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	2.8mm		
Lens Mount	M12		
Video Output	XVI / AHD / TVI / CVI / CVBS	XVI / AHD / TVI / CVI	XVI / AHD / TVI / CVI / CVBS
Infrared distance	1 Array Lamp 30m		
Day & Night	Support ICR		
OSD	Support		
UTC	Support		
Temperature	-10°C - +60°C		
Humidity	10% - 90% RH		
Power Supply	DC12V±10%		
Power Consumption	MAX 3W		

*Specification are subject to change without prior notice.

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: