

Network Mini Dome Camera Installation Manual

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact the dealer.
This manual applies to the VSIP2MPVDMINI Network Camera.

This manual may contain several technical incorrect places or printing errors, and the content is subject to change without notice. The updates will be added to the new version of this manual. We will readily improve or update the products or procedures described in the manual.



Safety Instruction

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into 'Warnings' and 'Cautions':

Warnings: Serious injury or death may be caused if any of these warnings are neglected.

Cautions: Injury or equipment damage may be caused if any of these cautions are neglected.

	
Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.



Warnings:

1. In the use of the product, you must strictly comply with the electrical safety regulations of the nation and region.
2. Source with DC 12V according to the IEC60950—1 standard. Please refer to technical specifications for more details.
3. Do not connect several devices to one power adapter as an adapter overload may cause over-heating and can be a fire hazard. If use the POE as the power supply, please make sure that the POE Switch have the sufficient power.
4. Please make sure that the plug is firmly inserted into the power socket.
5. When the product is installed on a wall or ceiling, the device should be firmly fixed.
6. If smoke, odor, or noise rise from the device, turn off the power at once and unplug the power cable, then contact the service center.
7. If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or

maintenance.)

**Notice:**

1. Make sure the power supply voltage is correct before using the camera.
2. Do not drop the camera or subject it to physical shock.
3. Do not touch sensor modules with fingers. If cleaning is necessary, use a clean cloth with a bit of ethanol and wipe it gently. If the camera will not be used for an extended period of time, put on the lens cap to protect the sensor from dirt.
4. Do not aim the camera at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
5. The sensor may be burned out by a laser beam, so when any laser equipment is being used, make sure that the surface of the sensor will not be exposed to the laser beam.
6. Do not place the camera in extremely hot or cold temperatures (the operating temperature should be between -10°C ~ 60°C, dusty or damp locations, and do not expose it to high electromagnetic radiation).
7. To avoid heat accumulation, good ventilation is required for a proper operating environment.
8. While shipping, the camera should be packed in its original packing, or packing of the same texture.
9. Regular part replacement: a few parts (e.g. electrolytic capacitor) of the equipment should be replaced regularly according to their average life time. The average time varies because of differences between operating environment and usage history, so regular checking is recommended for all users. Please contact with your dealer for more details.

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Chapter 1 Introduction

Network camera is a kind of embedded digital surveillance product that combines the features of both traditional analog camera and network DVS (Digital Video Server). Due to the embedded Linux operation system and the latest Davinci hardware platform of TI, the system operates with high scheduling efficiency. Furthermore, the firmware is burned in the flash, which makes the product small, reliable and highly stable.

1.1 Network camera Functions and Features

Functions:

- ◆ Network Function: Support the TCP/IP protocols (DDNS, PPPoE, FTP, SMTP, NTP, HTTPS, SIP addible) and IE browsing.
- ◆ Heartbeat Function: The server can acquire real time operating performance of the network camera through the heartbeat function.
- ◆ Alarm Function: Supports Motion Detection.
- ◆ User Management: Support multilevel right management. The administrator can create up to 15 separate users with different right levels, which highly improves the system security.

Compression Functions:

- ◆ Support 1 channel video signal and standard H. 264 video encoding compression, which supports both variable bit rate and variable frame rate; besides, you can self-define both the video quality and its compressed bit rate.

Remote Control:

- ◆ The product offers a 10M/100M self-adaptive Ethernet interface.
- ◆ Support various protocols.
- ◆ Set the parameters, browse real time videos or check the camera performance through software or IE, and store the compressed bit rate through network.
- ◆ Support remote upgrades and maintenance.

1.2 Applications

This camera is ideal for remote control network applications. E.g.:

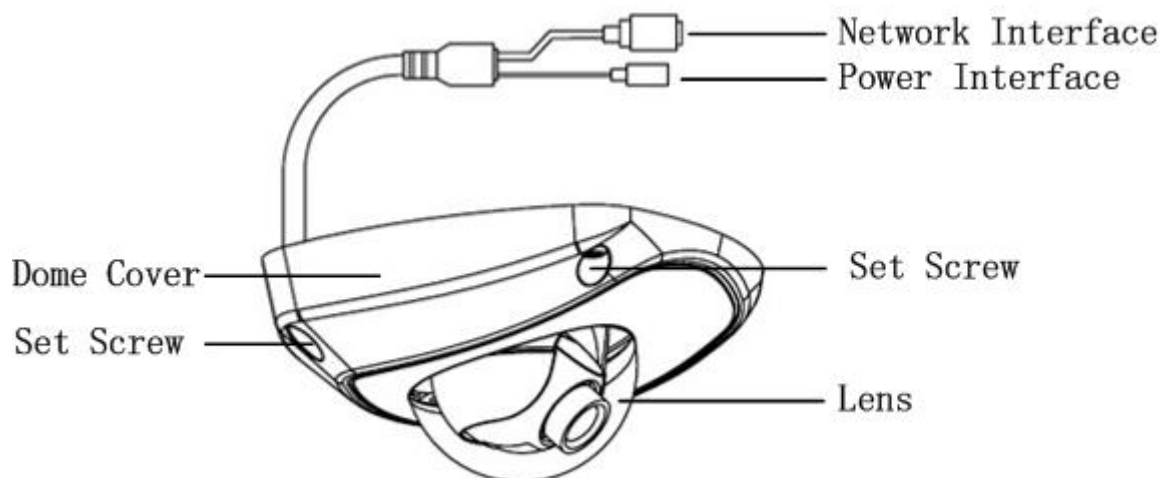
1. Network surveillance for supermarkets and factories.
2. Remote surveillance for homes and offices.
3. Indoor monitoring scenes, such as hotel, corridor, stairway.

Chapter 2 Installation

NOTE:

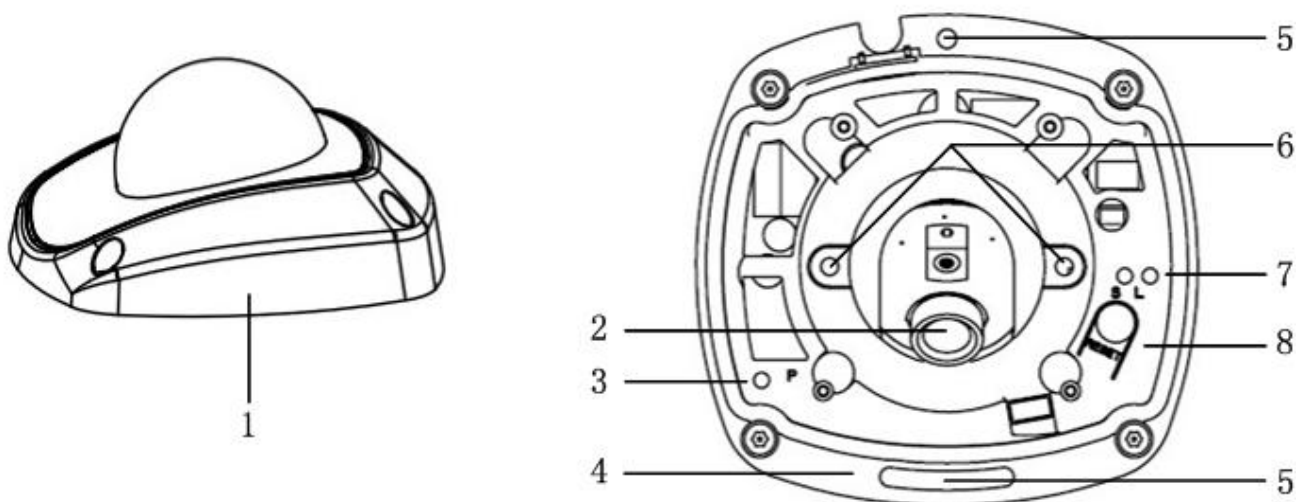
1. Please check if all the items on the package list have been included with your camera.
2. Read the following contents carefully before the installation.
3. Make sure that all the related equipment is power-off during the installation.
4. Check the power supply to prevent any damage caused by mismatching problems.
5. If the product does not operate properly, please contact your dealer or the nearest service center. Never attempt to disassemble the camera yourself. Users are responsible for any problem caused by modification or repairing without authorization.

2.1 Camera Description



NOTE: The camera supports PoE power supply.

2.1.1 Camera Physical Description



Serial NO.	Description
1	Back box
2	Lens
3	P: Power LED indicator, which turns red when power is applied to the unit.
4	Bottom board
5	Bottom board set screw hole
6	Lens set screw
7	S & L: Network status LED indicator. When the network is connected, the "S" LED turns orange, while the "L" LED flickers in green.
8	RESET: Reset all parameters to factory default settings.

NOTE:

When the camera is power up, press the "RESET" button for about 10 seconds, then all parameters, including user name, password, IP address, port number, etc., will be reset to the factory default settings.

2.1.2 Camera Connection

Step1:

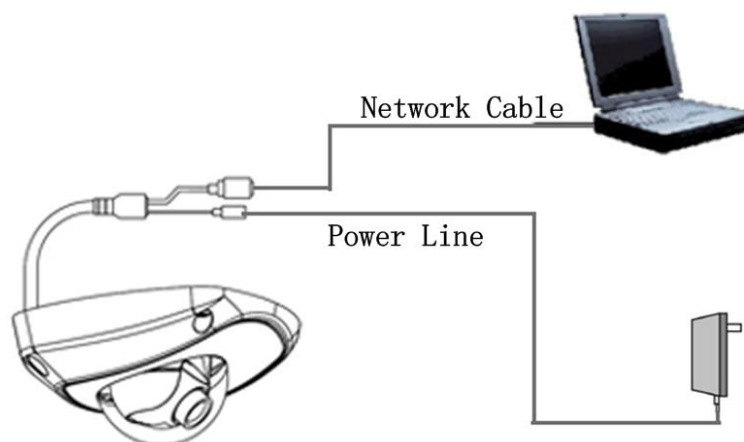
Connect one end of the network cable to the camera and the other end to PC.

Step2:

Connect one end of the power cord to the camera and the other end to power socket to supply power for the camera.

Step3:

Access the camera over IE or client software to view live video images.

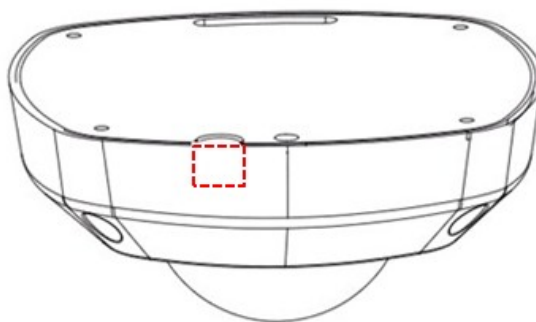


2.2 Hardware Installation

The ceiling mount is a suitable installation method for this camera. Please stick to the following steps:

NOTE:

If required, user can apply the pliers to remove the clip (refer to the part marked in dotted line) on the side of the back box and then feed cables through the opening to secure on the ceiling.



1. Loosen the set screws with a hexagonal screw driver (attached with the camera), and take down the back box shown as below:

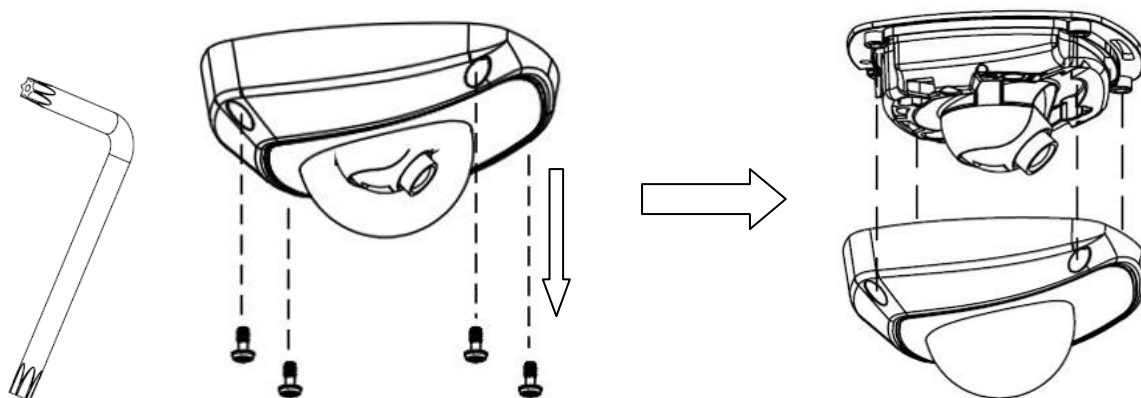


Fig. 2.2.1 Remove the back box

2. Use the screws to fix the bottom board on the ceiling.

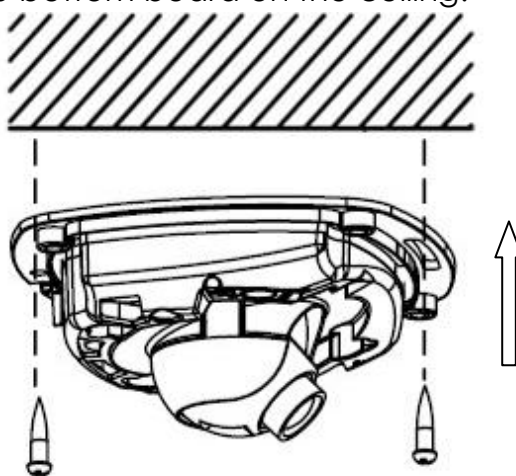
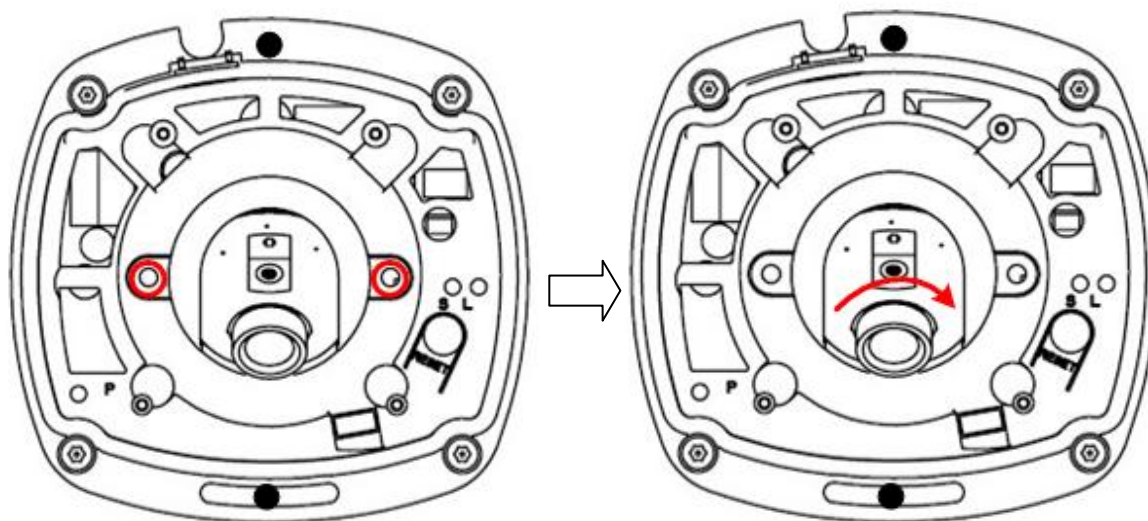


Fig. 2.2.2 Fix the bottom board

3. While viewing the video on the computer , adjust the camera's view angle for

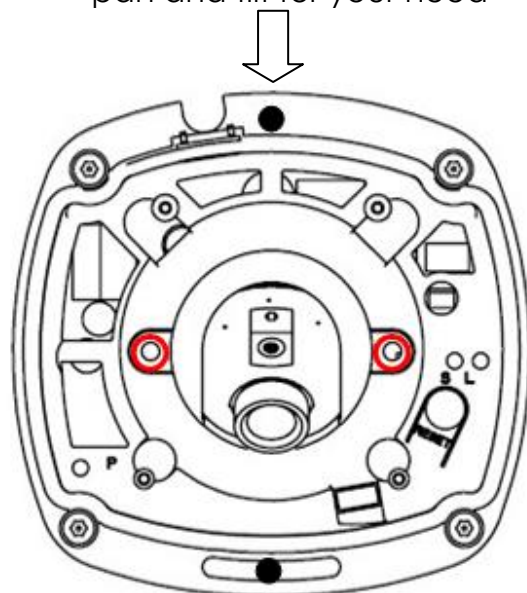
your need.



Loosen the lens set screws Adjust horizontally and vertically the camera's pan and tilt for your need

NOTE:

- As the lens of camera has already been factory adjusted to the best imaging effect, thus it only needs to adjust the pan and tilt view angle.
- If the image is not clear without the back box, please don't worry, the back box will affect the imaging effect, so when you test the imaging effect of lens, the back box must be installed to the camera.



Tighten the lens set screws

4. Tighten the set screws, and install the back box.

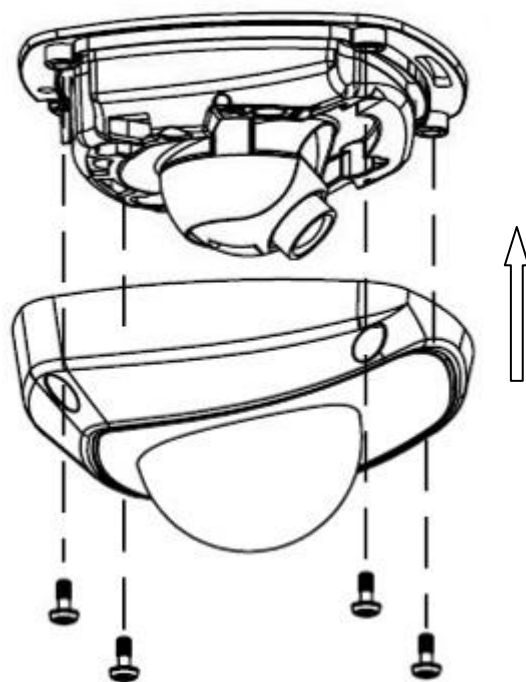


Fig.2.2.3 Install the back box

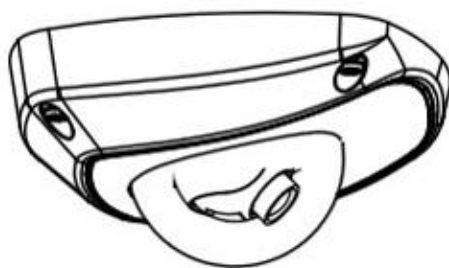


Fig.2.2.4 Done

Appendix Product Specification

J G&A DJ 8A B=

Specification

Model Parameter	2 Megapixel 1/3" CMOS Vandal-Proof Network Mini Dome Camera
Camera	
Image Sensor	1/3" CMOS
Min. Illumination	0.5Lux @(F1.2, AGC ON)
Electronic Shutter	1/25s ~1/100,000s
Lens	4mm, F1.2 Fixed Iris(2.8, 6, 8mm optional)
	Angle of view: 90°
Lens Mount	M12
Adjustment Range	Pan±15°, Tilt0 ~90°, Rotation±15°
Day / Night	Electronic
Compression Standard	
Video Compression	H.264
Bit rate	32 Kbps~16Mbps
Audio Compression	OggVorbis
Image	
Max. Image Resolution	1600 x 1200
Frame Rate	50HZ:12.5fps (1600 x 1200), 25fps (1280 x 720) 60HZ:15fps (1600 x 1200), 30fps (1280 x 720)
Image Settings	Saturation, Brightness, Contrast, Tue adjustable through client software or web browser
Function	
e-PTZ	Yes
Intelligent Alarm	Motion Detection
Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTCP,PPPoE,FTP,SMTP,NTP (SNMP,HTTPS, SIP, SRTP, 802.1x, IPV6 optional)
Basic	Initial Set button, Anti-flicker, Dual Stream, Heartbeat, Password Protection, Watermark
Interface	
Communication Interface	1 RJ45 10M / 100M Self-adaptive Ethernet port

General	
Operating Condition	-10°C~60°C(14°F~140°F), Humidity 90% or less(non-condensing)
Power Supply	DC12V±10% / PoE
Power Consumption	3W MAX
Impact Protection	IEC60068-2-75Eh,50J;EN50102, IK10
Weather Proof	IP66
Dimensions(mm)	100×97.5×46.5(3.94"X3.84"X1.83")
Weight	250g(0.55lbs)

Dimensions

