



VLB9/VLB7/VLT9

User Manual

Thank you for purchasing our product. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation.

Warnings

- If the product does not work properly, please contact the dealer or where the product was purchased. Speco Technologies is not responsible for any problems caused by improper operation or repair.
- Do not expose the unit to heavy stress, violent vibration or long-term exposure to water and humidity during transportation, storage, and/or installation.
- Do not install near sources of heat.
- Only install the product in environments inside the specification operating temperature and humidity range.
- Do not install the camera near power lines, radar equipment or other electromagnetic radiation.
- Do not block any ventilation openings if any.
- Use all the weatherproofing hardware requirement to minimize weather intrusion.

Introduction

This camera series is the latest technology and advanced circuit design, which features high definition and sensitivity, low noise and distortion and supports HD video transmission with the common coaxial cable, ensuring the requirement of the HD monitoring in the traditional surveillance system.

● High Resolution

Adopt high performance sensor, providing high definition and clear image.

● High Transmission Performance

Real-time transmission with high speed and long distance.

● DNR

Reduce noise from brightness and color signal.

● OSD

Access the camera settings which can be clearly displayed through the main menu.

● White Balance

Adjust the color temperature according to the environment automatically.

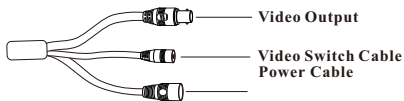
● AGC

Adjust the gain of amplifier, enabling the camera to output the standard video signal in different lighting condition.

● Backlight Compensation (BLC)

When the back of the captured object is too much bright, you can set BLC for the captured object to make it clearer.

Cables



Video Switch: Four video output modes can be optional--AHD, TVI, CVI and CVBS

(a) remove the cover of the video switch cable; (b) hold and press the button in the video switch cable for 5 seconds to switch the current video output.

Installation

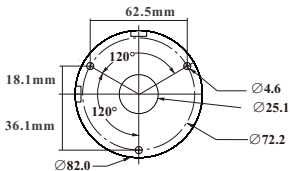
Before you start, please make sure that the wall or ceiling is strong enough to withstand three times the weight of the camera. Please install and use the camera in the dry environment.

You'd better install back the lens cover or lower dome less than 4 hours after removing it.

The mounting types of cameras are only for reference.

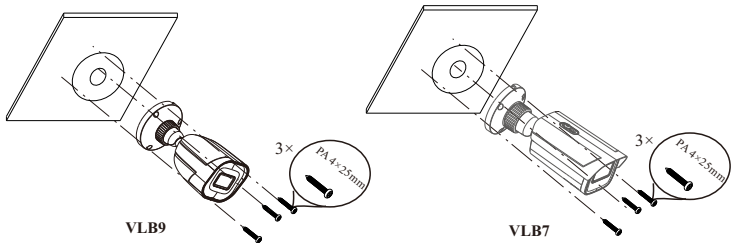
► Mounting for VLB9/VLB7

1. Drill the screw holes and the cable hole on the wall according to the drill template.

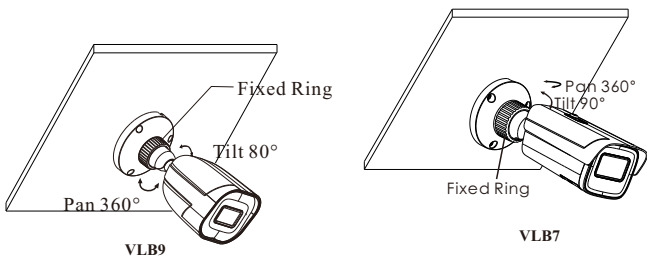


2. Route and connect the cables .

3. Secure the mounting base with camera to the wall with screws as shown below.

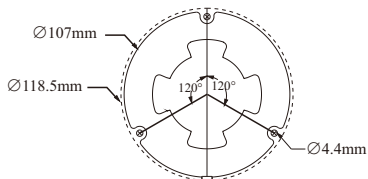


4. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor and then loosen the fixed ring to adjust the view angle of the camera. Tighten the fixed ring after the adjustment.

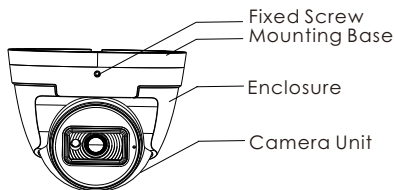


► Mounting for VLT9

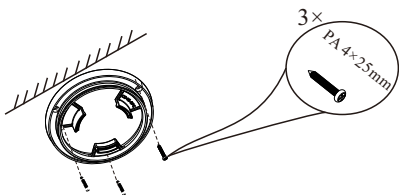
1. Drill the screw holes on the wall according to the drill template.



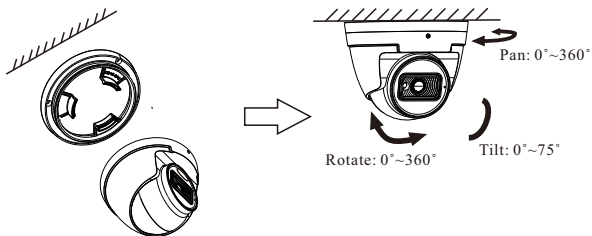
- ② Loosen the fixed screw to disassemble the camera.



- ③ Route and connect the cables. Then secure the mounting base to the ceiling or wall with the screws provided.



- ④ Install the camera unit and enclosure to the mounting base and then adjust if necessary to obtain an optimum view angle. Finally, fasten the camera with the fixed screw.



Specifications

| Specifications \ Models | VLB9 | VLB7 | VLT9 |
|--------------------------|--|-------------------------------|-------------------------------|
| Camera | | | |
| Image Sensor | 1/2.8" CMOS | | |
| Resolution | 2MP | | |
| Image size | 1920×1080 | | |
| Video Output | AHD/TVI/CVI/CVBS (*camera comes defaulted to HD-TVI) | | |
| Audio | NO | | |
| Image System | PAL/NTSC | | |
| Electronic Shutter | Auto | | |
| IR Range (feet) | 65~98 | 98~164 | 65~98 |
| Frame Rate | 30fps(60Hz); 25fps(50Hz) | | |
| Min. Illumination | 0.005 lux @F1.2, AGC ON; 0 lux with IR | | |
| Lens | 2.8 mm | 2.8~12 mm | 2.8 mm |
| Lens Mount | M12 | D14 | M12 |
| S/N Ratio | ≥ 52dB(AGC OFF) | | |
| Ingress Protection | IP67 | | |
| Functions | | | |
| Function Control | OSD (UTC control) | | |
| Day & Night | ICR | | |
| WDR | Digital WDR | | |
| Digital NR | Yes | | |
| AGC | Yes | | |
| Auto White Balance | Yes | | |
| HLC | Yes | | |
| BLC | Yes | | |
| Front Light Compensation | No | | |
| Defog | No | | |
| Smart IR | Yes | | |
| Sharpness | Yes | | |
| Image Setting | Yes | | |
| Defect Correction | Auto | | |
| Others | | | |
| Power Supply | DC12V (± 10%) | | |
| Power Consumption | IR OFF: < 1W; IR ON : < 4W | IR OFF: < 1W; IR ON : < 6W | IR OFF: < 1W; IR ON : < 4W |
| Working Environment | -22 °F ~ 122 °F, 10 % ~ 90 %(relative humidity) | | |
| Dimensions (inch) | 6.74× 3.72× 3.26 | 8.66× 3.39× 3.38 | Φ4.67 × 3.69 |

Model: VLB9/VLB7/VLT9

Federal Communications Commission (FCC) Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Responsible Party:

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