



VLD9 /VLD9M

# 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.

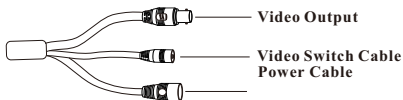
### ● Backlight Compensation (BLC)

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

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## 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

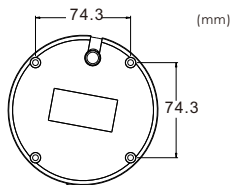
Before you start, please make sure that the wall or ceiling is strong enough to withstand three times the weight of the camera. Please install and use the camera in the dry environment.

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

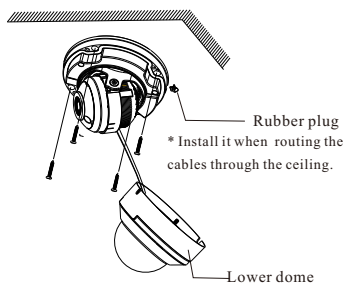
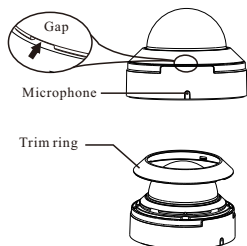
The mounting types of cameras are only for reference.

### ► Mounting for VLD9

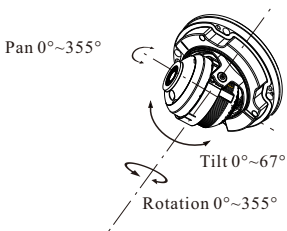
1. Drill the screw holes and the cable hole on the wall according to the drill template.



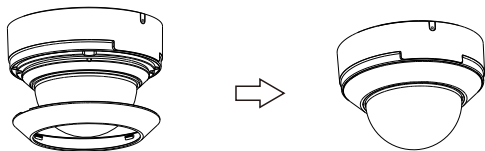
- Align the gap of the trim ring with the microphone by turning the trim ring with fingers. Then remove the trim ring from the gap of the camera.
- Loosen the screws to open the lower dome. Then route and connect the cables.
- Secure the camera to the wall with screws provided as shown below.



- Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.

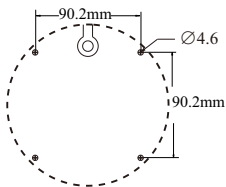


- Install the lower dome back to the camera and fix it with screws. Then put the trim ring onto the lower dome and then rotate it clockwise until it is locked. Finally, remove the protection film softly.



## ► Mounting for VLD9M

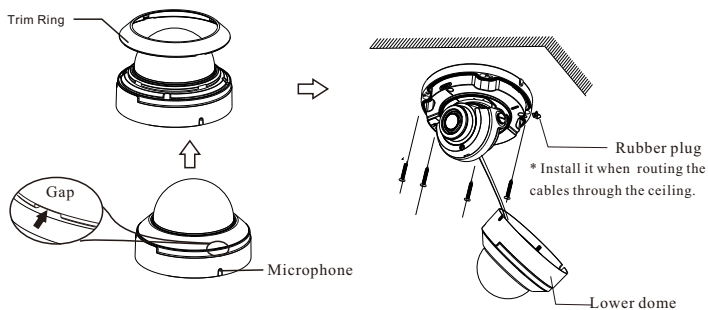
1. Drill the screw holes and the cable hole on the wall according to the drill template.



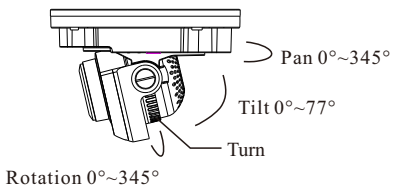
2. Align the gap of the trim ring with the microphone by turning the trim ring with fingers. Then remove the trim ring from the gap of the camera.

3. Loosen the screws to open the lower dome. Then route and connect the cables.

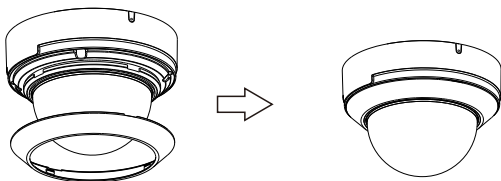
4. Secure the camera to the wall with screws provided as shown below.



5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.



6. Install the lower dome back to the camera and fix it with screws. Then put the trim ring onto the lower dome and then rotate it clockwise until it is locked. Finally, remove the protection film softly.



# Specifications

Specifications \ Models	VLD9	VLD9M
<b>Camera</b>		
Image Sensor	1/2.8" CMOS	
Resolution	2MP	
Image size	1920×1080	
Video Output	AHD/TVI/CVI/CVBS (*camera comes defaulted to HD-TVI)	
Image System	NO	
Electronic Shutter	PAL/NTSC	
IR Range (feet)	33~66	65~98
Frame Rate	30fps(60Hz); 25fps(50Hz)	
Min. Illumination	0.001lux @F1.2, AGC ON; 0 lux with IR	
Lens	2.8 mm	2.8-12 mm, motorized
Lens Mount	M12	D14
S/N Ratio	≥ 52dB(AGC OFF)	
Ingress Protection	IP 67 & IK10	
<b>Functions</b>		
Function Control	OSD (UTC control)	
Day & Night	ICR	
WDR	120dB	
Digital NR	Yes	
AGC	Yes	
Auto White Balance	Yes	
HLC	Yes	
BLC	Yes	
LSC	Yes	
Mirror	Yes	
Privacy Mask	Yes	
Smart IR	Yes	
Sharpness	Yes	
Image Setting	Yes	
Defect Correction	Auto	
<b>Others</b>		
Power Supply	DC12V (± 10%)	
Power Consumption	IR OFF: < 1W; IR ON : < 4W	IR OFF: < 1W; IR ON : < 6W
Working Environment	-22 °F ~ 122 °F, 10 % ~ 90 %(relative humidity)	
Dimensions (inch)	Φ4.72 × 3.45	Φ5.61 × 3.95

**Model:** VLD9 /VLD9M

**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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