



H2LT1/H2LB1

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.
- Keep away from liquid while in use.
- All installation and operation here should conform to local electrical safety codes.
- Make sure the power supply voltage is correct before using the camera.
- Do not drop the camera or subject it to physical shock.
- Do not use the device beyond specified voltage range.
- Do not place the camera in extremely hot, cold (the operating temperature shall be (-22°F~122°F), dusty or damp locations, and do not expose it to high electromagnetic radiation.
- To avoid heat accumulation, good ventilation is required for operating environment.

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.

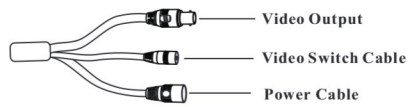
● AGC

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



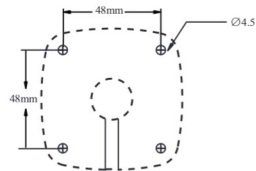
Video Switch: Four video output modes can be optional--AHD, TVI, CVI and CVBS
(a) remove the cover of the video switch cable; (b) hold and press the button in the video switch cable for 5 seconds to switch the current video output.

Installation

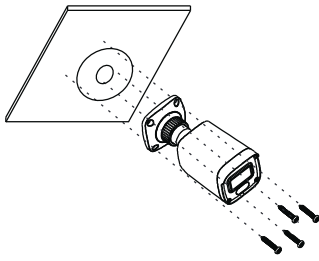
Before you start, please make sure that the wall or ceiling is strong enough to withstand three times the weight of the camera. Please install and use the camera in the dry environment.
You’d better install back the lens cover or lower dome less than 4 hours after removing it.
The mounting types of cameras are only for reference.

► Mounting for H2LB1

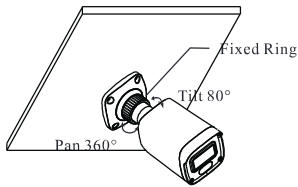
1. Drill the screw holes and the cable hole on the wall according to the drill template.



- 2. Route and connect the cables .
- 3. Secure the mounting base with camera to the wall with screws as shown below.

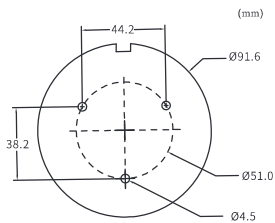


4. Bracket adjustment. Before adjustment, preview the image of the camera on a monitor and then loosen the fixed ring to adjust the view angle of the camera. Tighten the fixed ring after the adjustment.

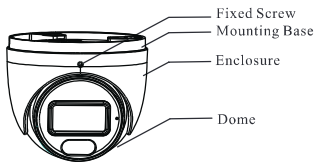


► Mounting for H2LT1

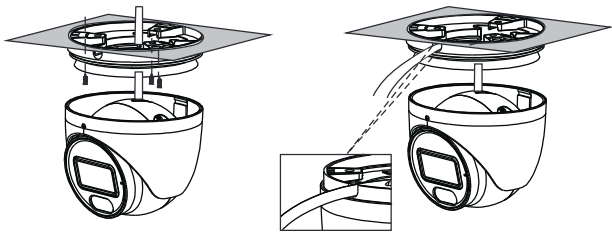
1. Attach the drill template to the place where you want to fix the camera and then drill the screw holes and the cable hole on the wall according to the drill template.



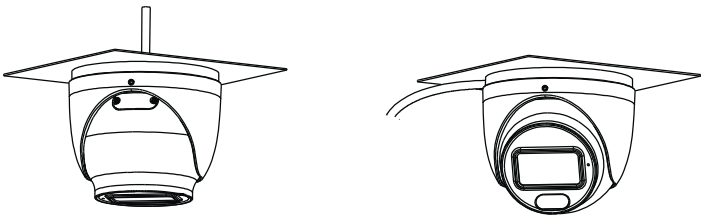
2. Loosen the fixed screw to disassemble the camera.



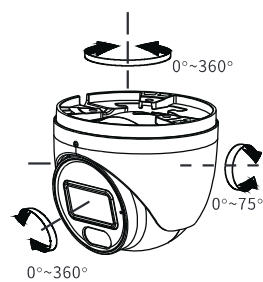
3. Secure the mounting base to the ceiling or wall with the screws provided.



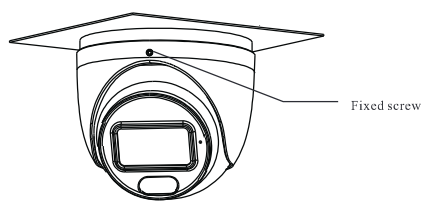
4. Install the dome and enclosure to the mounting base.



Then adjust the dome to obtain an optimum view angle.



5. Finally, fix the camera with the fixed screw.



Specifications

Specifications \ Models	H2LB1	H2LT1
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)	
Image System	PAL/NTSC	
Electronic Shutter	Auto; 1/50s~1/100000s(PAL);1/60s~1/100000s (NTSC)	
IR Distance (feet)	65~98	
Frame Rate	30fps(60Hz); 25fps(50Hz)	
Min. Illumination	0 lux (LED ON)	
Lens	2.8 mm	
Lens Mount	M12	
S/N Ratio	≥ 52dB(AGC OFF)	
Ingress Protection	IP67	
Functions		
Function Control	OSD (UTC control)	
Smart LED	Manual or auto mode	
WDR	Digital WDR	
Digital NR	Yes	
AGC	No	
Auto White Balance	Yes	
Defog	No	
BLC	Yes	
Contrast	Yes	
Saturation/Color Gain	Yes	
Sharpness	Yes	
Exposure	Global exposure or central exposure supported	
Image Setting	Yes	
Defect Correction	Auto	
Others		
Power Supply	DC12V (± 15%)	
Power Consumption	IR OFF: < 1W; IR ON : < 3W	
Working Environment	-22 °F ~ 122 °F, 10 % ~ 90 %(relative humidity)	
Dimensions (inch)	6.52× 2.71× 2.71	Φ3.72 × 3.25

Model: H2LT1/H2LB1

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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