VLD1TW Manual

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User Manual

Thank you for purchasing a Speco Technologies HD-TVI camera. Please read this manual carefully for correct use of the product and keep it for reference purposes.

►Warnings and Cautions

■ Disclaimer

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.

■ Avoid Electric Shock

To prevent electric shock, do not remove screws or cover.

■ Avoid excessive moisture

Do not use strong or abrasive detergents when cleaning camera body. Clean with dry cloth or mild detergent, wiping gently.

■ Do not use camera beyond prescribed voltage range.

Only use recommended power supply. Ensure power input source conforms to local voltage. Voltage outside of range could cause damage or cause abnormal performance.

■ Never attempt to disassemble the camera privately.

It may result in internal components being damaged.

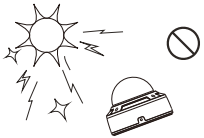
Do not place the camera in extreme hot or cold environment.

Use only under temperature conditions between -4*F and +140*F. Provide good ventilation when using in high temperature conditions.

Do not drop the camera or subject it to physical shock.

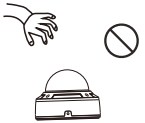
It may cause production malfunction.

Do not aim camera at sun or extra bright place.



Strong light will degrade image quality and could cause damage.

Avoid touching the camera lens.



The lens is the most important component of the camera. Be careful not to smear it with fingerprints.

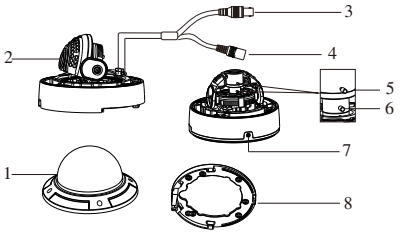
Correct Disposal of This Product

If the camera no longer functions or can no longer be repaired, it must be disposed of according to regulations reading electronic waste. By not disposing of electronic items in household waste you will not only be following the law, but contributing the protection of the environment.

► Components and Accessories

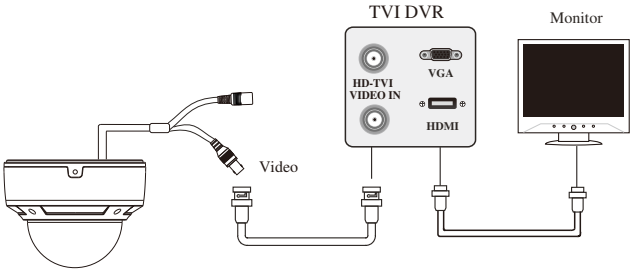
Camera	
User manual	
Screwdriver	
Screws	
Drill Template	
Adapter Plate	

► Overview



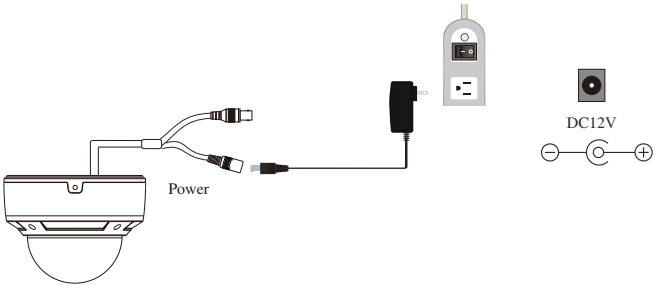
1	Lower Dome	5	Focus
2	Lens	6	Zoom
3	Video Cable	7	Lock Screw
4	Power Cable	8	Mounting Base

► Connecting to Monitor



► Connecting to Power

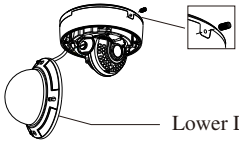
Connect the adapter to the power input connector in accordance with the camera. The recommended adapter specification for the camera is DC12V.



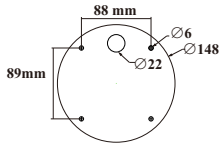
► Installation

* Before you start, please make sure that the wall or ceiling is strong enough to withstand three times the weight of the camera.

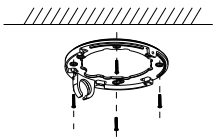
1. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.



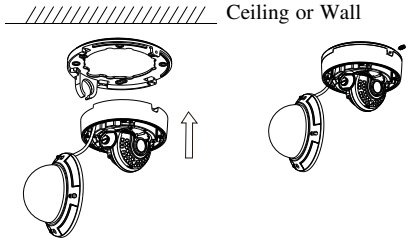
2. Attach the drill template to the place where you want to fix the camera and then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template.



3. Route the cables and connect the power cable and video cable. And then secure the mounting base to the ceiling or wall with screws.

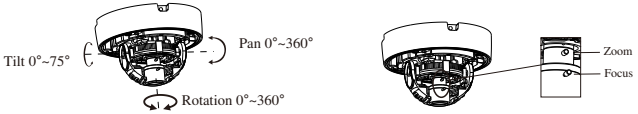


4. Fix the camera to the mounting base with the lock screw.

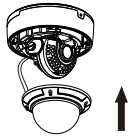


5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.

6. Adjust the Focus and Zoom screw to get a clear image (if your camera is prime lens,please skip this step).

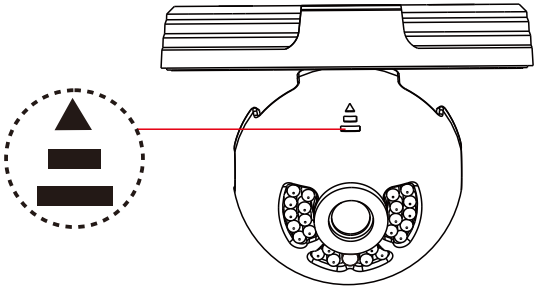


7. Install the lower dome back to the camera with the screws and remove the protection film softly to complete the installation.

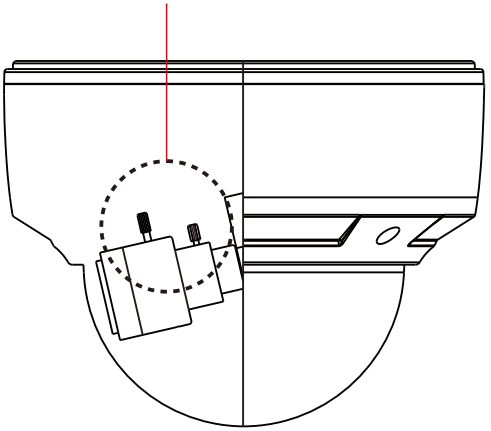


* This installation should be made by a qualified service person and should confirm to all local codes.

When the arrow is pointed upward, the image will be right side up.



Lens controllers are located in Top direction of image.



► Features

This series of cameras adopt the latest HD-TVI technology and advanced circuit design, feature high definition and sensitivity, low noise and distortion and support 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 HD-TVI sensor, providing high definition and clear image, up to 1080P resolution.

● **High Transmission Performance**

Real-time transmission with high speed and long distance.

● **ICR Auto Switch**

The filter will filter infrared light during the daytime and change to normal at night to ensure a high sensitivity and clear image.

● **Color-B/W Auto Switch**

The camera will display color image in daytime and become monochrome automatically at night.

● **Auto White Balance**

Adjust the color temperature according to the environment automatically.

● **DNR**

Reduce noise from brighteness and color signal.

► Specifications

Model	VLD1TW
Image Sensor	1 / 3 " CMOS
Pixels	1920 x 1080
Signal System	PAL / NTSC
Min. Illumination	0 Lux (LED ON)
Lens	2.8 ~ 12 mm
IR Visible Distance	66 ~ 98 feet (depending on scene reflection)
IP Rank	IP 66
Video Out	TVI 2.0 and CVBS (960H) video output
Resolution	1080 P (1920 x 1080)
Frame Rate	30 fps (60Hz), 25 fps (50Hz)
ICR	Yes
DNR	Yes
S / N Ratio	> 52 dB (AGC OFF)
Electronic Shutter	1 / 50s ~ 1 / 67500s
AGC	Yes
White Balance	Auto White Balance
Power	DC12V ± 10%
Temperature	- 4*F ~ 104*F
Humidity	10% ~ 90%
Dimension	5.9" x 4.5"