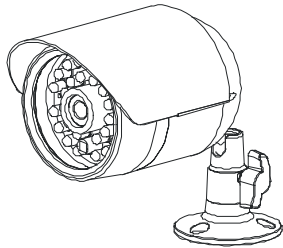




**VL-10 AND VL-11
IR CCD WATER RESISTANT
COLOR CAMERA**



200 New Highway, Amityville, NY 11701
1-800-645-5516 FAX:631-957-9142 or 631-957-3880
www.specotech.com

CONTENTS

CONTENT.....	2
SAFETY PRECAUTIONS.....	3
FEATURES.....	4
CDS	4
AWS	4
IR LENS	4
Mount.....	5
Sunshade.....	5
Power and Video Output Jack.....	5
INSTALLATION.....	6
SPECIFICATIONS	7
DIMENSIONS.....	8

SAFETY PRECAUTIONS

Please read before using



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of insulated dangerous Voltage within the product's enclosure that may be sufficient magnitude to constitute risk of electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

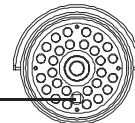
1. Please read the service manual in details before using.
2. Do not disassemble the camera-no user serviceable parts inside
3. The product is IP-66 waterproof rated.
4. Do not attempt to service the unit yourself unless you are authorized to do so. Opening cover may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel only.
5. Turn off the power before cleaning the camera body; use only a clean damp cloth. Do not use any soap or cleaners.

FEATURES

AWB: The camera includes auto white balance mode and auto capture color temperature. The range is 2400k~9400K

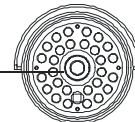
CDS : The IR LED: only activate when needed.
Illumination is 4 LUX±2LUX (LED on) / 8LUX±2LUX(LED off).

CDS SENSOR



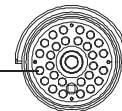
LENS : Super sensitivity BOARD LENS for optimum low light pictures..

LENS



IR LED : Super power LED IR light · wavelength is 840nm for maximum illumination.

IR LEDS



Mount :

Rotate the camera angle as required tighten thumbscrew.

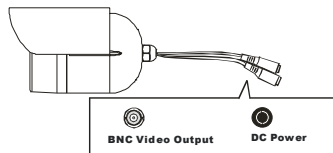
**Sunshade :**

Adjust as necessary to prevent the sun from hitting the camera lens, make sure that the sunshade is not in the camera's field of view.

**Power and video connections :**

Power: Regulated 12 Volts DC, center pin is positive (+)

Video: BNC, 1 Volt p-p



5

INSTALLATION

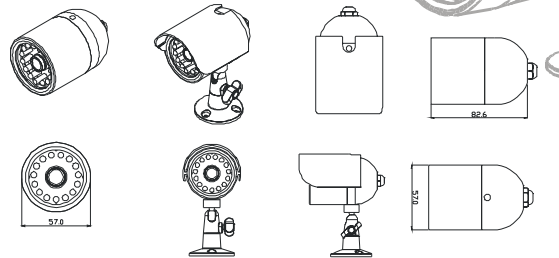
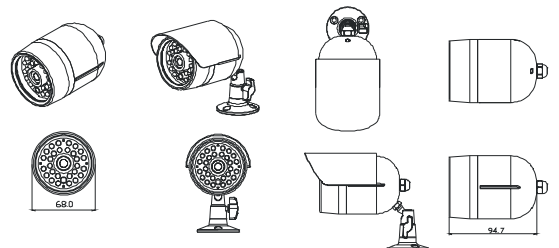
1. Attach bracket to wall or ceiling.
2. Attach camera to bracket.
3. Aim camera and tighten mounting.
4. Attach a 75 ohm coaxial cable (95% copper shield recommended) to the BNC output.
5. Apply regulated 12 Volts DC to the power connector.

6

SPECIFICATIONS

Model	VL-10	VL-11
Pick Up Device	1/3" Interline transfer CCD	
Resolution	420TV Lines	
Lens	4.3mm	
Total Pixels	NTSC:537(H) x 505(V) PAL:537(H) x 597(V)	
Sync system	2 : 1 Internal	Internal
Scanning system	525 line / 60 frames	
Video Output	Composite 1.0 Vp-p / 75 ohms	
Minimum Illumination	0.5 lux color / 0 lux with IR on	
IR Radiant Distance	65 feet	50 feet
S/N Ratio	50dB or more	
Electronic Shutter	Auto 1/60sec. to 1/100,000dec.	
Horizontal Frequency	15.734KHz	
Vertical Frequency	59.94Hz	60Hz
Backlight Compensation	Built-in (Option Jumper ON / OFF)	ON / OFF switchable
Power Supply	Regulated 12V DC power supply required-model PSW-5	
Consumption Current	Max. 300mA	Max. 280mA
Weight	0.46kg convert to lbs.	0.505kg / 0.56kg convert to lbs.
Dimensions	2.7" dia x 3.7" H	2.25" dia x 3.25" H
Operating Temp	-14 to 122°F	
Wall / Ceiling Mount	Included	
Included		
Housing	Silver / Aluminum	

7

DIMENSIONS**VL-10****VL-11**

8