



**VEILUX**<sup>®</sup>  
*The Art of Surveillance*



**VLPR-54L922D**

**Professional Car License Plate Camera**

User Manual

# safety information

## CAUTION

### 1. **Never point the camera toward the sun**

Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.

### 2. **Handle this camera with care**

Avoid any shock of the camera. Improper handling could damage the camera.

### 3. **Requires a proper operating environment**

This camera is designed for both indoor and outdoor use. The allowable temperature range of operation of this camera is between  $-10^{\circ}\text{C}$ ~ $50^{\circ}\text{C}$  and the allowable humidity is 80% maximum.

### 4. **Clean the lens regularly**

It is recommended that the lens surface be cleaned regularly or when the lens is dusty to prevent obstruction of IR light. Cleaning should be done by using a chamois, a very fine soft cloth, lens tissue or cotton tipped applicator and ethanol to carefully remove any fingerprint of dust.

### 5. **Check the power source voltage**

The power source voltage should be within the specified range.  
(Camera must meet the specification)

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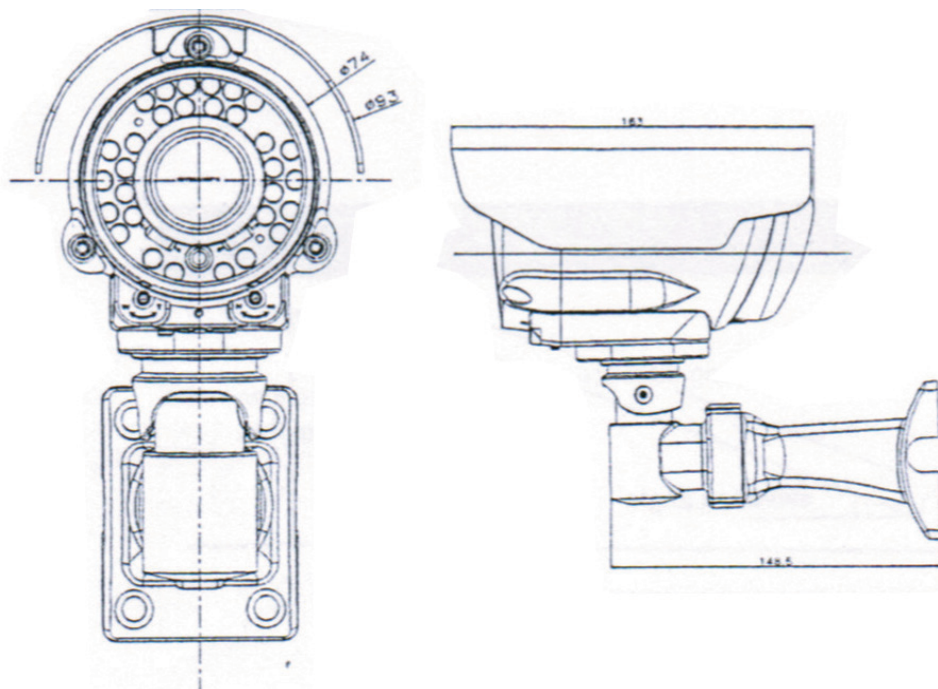
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# introduction

## FEATURES

1. Lead (Pb) Free RoHS Compliance
2. Digital Signal Processor. Sony HQ1
3. Long life and high reliability are achieved by the use of a CCD image device. This makes the camera 100% solid state.
4. Easy of use in any application is achieved through the small size.
5. Lower power consumption
6. Relatively no interference from magnetic or electrostatic field.
7. Patent designed external varifocal lens adjustment for users to adjust the focus conveniently without removing the cover.
8. The cable management bracket protects the camera cables inside the bracket to keep it away from humidity in outdoor environment.
9. Mechanical Visible Light Filter  
This Mechanical Visible Light Filter will be triggered by strong focused illumination. Whenever strong light appears, it will filter out the strong light automatically so that clear and readable quality images can be ensured.
10. The FL-ON Shutter is fixed at 1/230 second.
11. From Night to Day, the delay time is 5~6 minutes.

## DIMENSION



# installation

## NOMENCLATURE AND FUNCTION

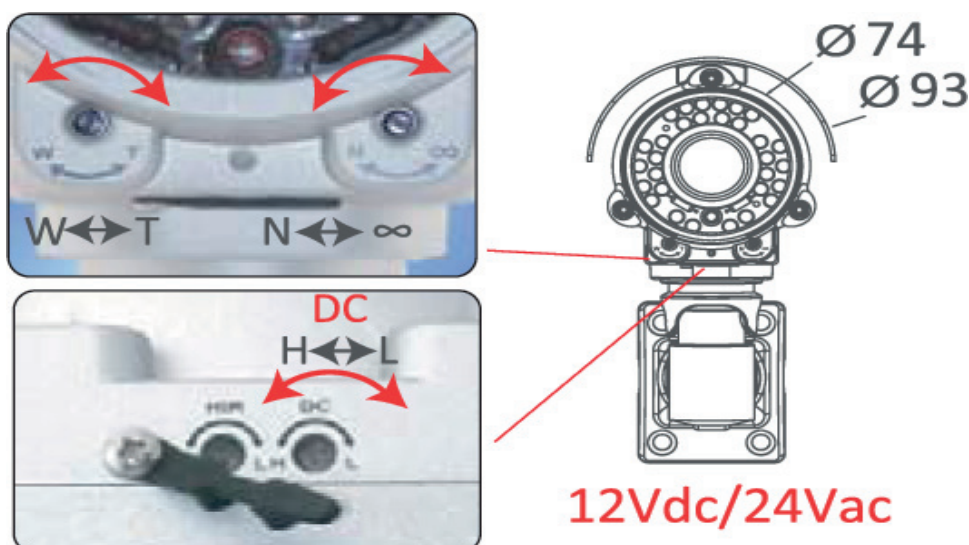
### 1. External Varifocal Lens Adjustment (Wide/Tele)

Please use a “flat-head” screw driver to adjust the lens angle for wide and telephoto

### 2. External Varifocal Lens Adjustment (Near/Far)

Please use a “flat-head” screw driver to adjust the lens focus for near and far.

### External Varifocal Lens Adjustment



### DC Level and HIR LEDs Adjustment

### 3. DC Level

The VR for adjusting the IRIS level of DC Auto Iris Lens.

Please lift the waterproof lid and use a small screw driver to adjust the DC level. After the setting is done, please cover back the waterproof lid.

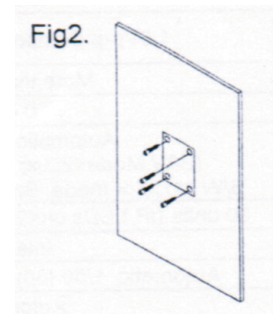
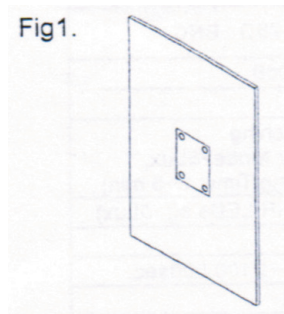
### 4. HIR LEDs Adjustment

The external IR LEDs adjustment is used to adjust the brightness of the 6 pieces high power reflection IR light. As the installation environment changes or according to different illumination conditions, users can adjust a proper IR brightness.

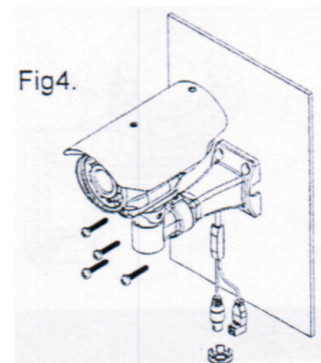
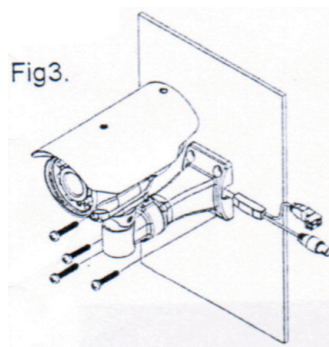
# installation

## INSTALLATION

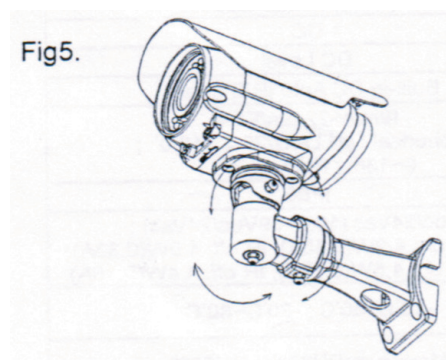
1. Please adhere the paster provided to the surface where you like to install the bracket on the wall as Fig1. In accordance with the position of 4 holes shows on the paster to dig 4 holes, and then insert 4 anchors provided into the holes as shown in Fig2.



2. Mounting the camera to the wall by 4 screws. You can let the camera cables go along the sides (as Fig3) or go downward (as Fig4). If the cable goes downward, a plastic cable protector is needed (shown in Fig4).



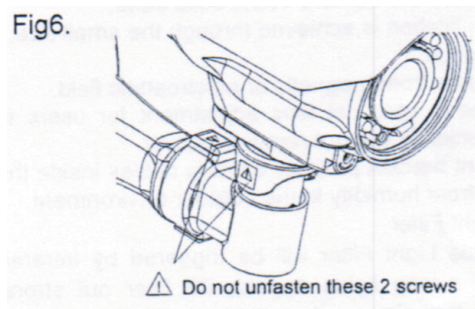
3. In accordance with the direction shown in Fig5 to adjust the direction of the camera bracket as you like.



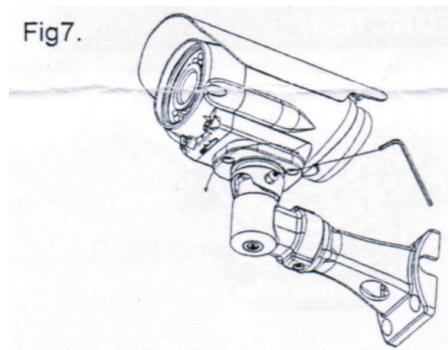
# installation

## INSTALLATION

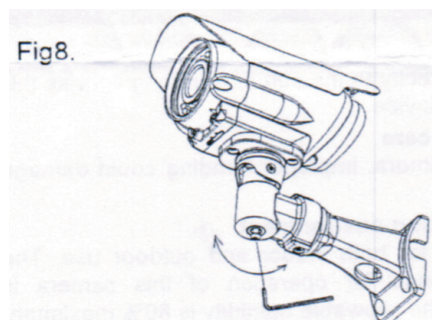
4. Please note: During camera adjustment, there are 2 screws as shown in Fig6 which you don't need to unfasten them.



5. Use an “L” type wrench provided to fasten the screw to the bottom of the camera as Fig7. (Please hold the camera until the installation is finished.)



6. Then, use the wrench to fasten the screw to the connector of the camera and bracket as shown in Fig8. (Please hold the camera until the installation is finished.)

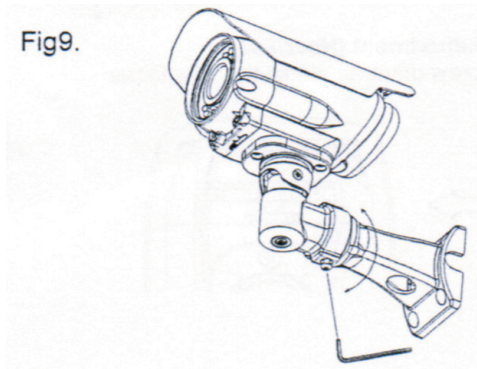




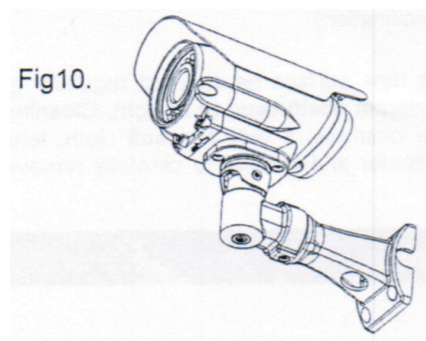
# installation

## INSTALLATION

7. Use the wrench to fasten the screw to the bracket as shown in Fig9. (Please hold the camera until the installation is finished.)

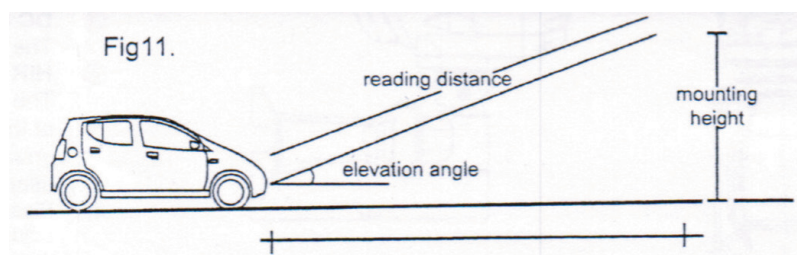


8. Then the camera installation is finished as Fig10 shows.



## IMPORTANT NOTES

1. To simulate the motion of cars in the parking lot, it takes 3-5 minutes to switch from B/W mode to Color mode.
2. The maximum elevation angle of LPR function is 20° degrees. (Refer to Fig11.)





# technical information

## SPECIFICATION

ITEM	VLPR-54L922D	
TV System	NTSC	PAL
Image Sensor	1/3" Sony Super HAD CCD II	
Number of Pixel	811(H) x 508(V)	795(H) x 596(V)
Resolution, DSP	540 TV Lines, Sony HQ1	
Minimum Illumination	0 Lux	
Video Output	1.0Vp-p Composite, 75Ω	
Signal to Noise Ratio	More than 50dB	
Gamma Correction	0.45	
Mechanical Visible Light Filter	Automatically Switches from B/W to Color mode, Switching Time: 3~5min	
IR LED	30 Units (IR LEDs ON < 2 Lux, IR LEDs OFF > 5 Lux)	
Synchronizing System	Internal	
Auto Electronic Shutter	Automatic, 1/50 (60) ~ 1/100,000 sec	
Auto Gain Control	Automatic	
Auto White Balance	Automatic	
Digital Noise Reduction	Automatic Dynamic Digital Noise Reduction (DNR)	
Sense Up	Automatic	
Automatic IRIS	DC	
Adjustment VR	DC Level	
Lens Mount	Built-in DC Auto IRIS Lens	
Lens	f9mm~22mm/F1.4 Aspherical D/N Lens	
Angle of View (H)	29.2° ~ 13.0°	
License Plate Distance	6 ~ 13m (19.7 ~ 42.7ft)	
Water Resistance	IP66	
Power Supply	12V DC / 24V AC	
Operation/Storage Temp	-10°C ~ 50°C / -20°C ~ 60°C	
Operat/Stor Humidity	Maximum: RH80% / RH90%	
Dimension	93(Ø) x 163(L)mm	
Net Weight	1,000g (2.2lbs.)	



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