Professional Camera

A1 SECURITYCAMERAS The First Name in Security

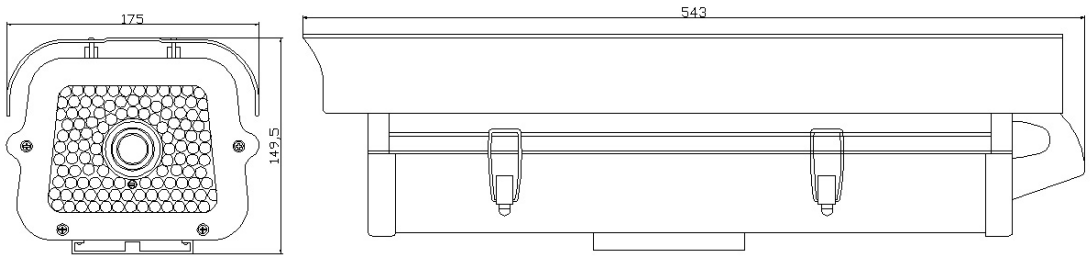
CHLP65IR-HSL

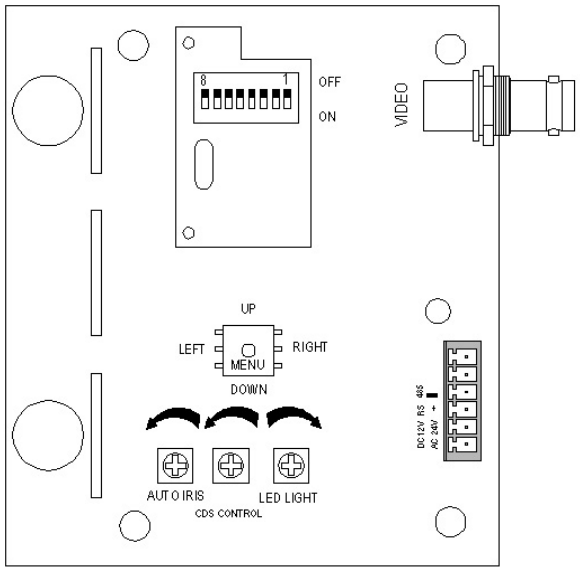
- 1/3" SONY CCD High Resolution
- 560TVL (Enhanced 620 TVL)
- 0.001 Lux, Slowshutter (Sense up to 32X)
- Slelectable Speed Shutter 1/60 sec. to 1/12000sec.
- Super Digital Noise Reduction (SDNR)
- ALC Automatic Light Compensation
- 20X Optical Zoom 5~100mm
- Heater Blower Weatherproof Housing
- ASP IR Cut Filter Removable
- 114 High Intensity LEDs
- Non Polarity Power input
- Dual Power DC12V / AC24V 3.5A

Specification	Detail
Type:	Color Day / Night IR Cut Camera
Image sensor:	High Res. 1/3" Color CCD
Picture Elements:	NTSC: 811(H)x508(V) PAL: 795(H)x596(V)
Resolution:	560TVL
Mini Illumination:	0.001 Lux (Adjustable) 114 PCs High Power IR LEDs ON
Vertical Frequency:	NTSC: 59.94Hz PAL:50Hz
Horizontal Frequency:	NTSC: 15.734 KHz PAL:15.625 KHz
Clock Frequency:	NTSC:28.636Mhz PAL:28.375Mhz
Scanning System:	2:1 Interlace
S/N Ratio:	More than 60dB
Electronic Shutter :	NTSC 1/60-1/12.000sec.; PAL1/50-1/12.000sec
Lens:	20X Optical Zoom 5-100mm ASP IR Lens (Auto Iris)
White Balance:	OSD
Backlight Compensation:	OSD
Auto Gain Control:	OSD
Gamma:	0.45
Video Output:	1.0Vp-p (75Ω BNC)
Power Supply:	DC12V or AC24V (±10%)
Current Consumption:	DC12V/AC24V 3.5A
Recognition Distance:	15-30m
Dimensions:	20x23x60 cm
Weight:	4KG / 8Lbs
Storage Temperature:	-30°C ~ +60°C
Operating Temperature:	-10°C ~ +45°C

High Resolution CCD Waterproof IR Camera

- **ITEM №: CHLP65IR-HSL**





Remark: Non-regulative adaptor may cause camera damage.

AI:	Auto IRIS
AES:	Auto Electric shutter
BLC:	Back Light Control
AGC:	Auto Gain Control
ATW:	Auto Trace White Balance
AWB:	Auto White Balance
SENSEUP:	Slow-Shutter
H-MIRROR	Horizontal Mirror
V- MIRROR	Vertical Mirror
ZOOM:	Digital zoom
ENHANCE:	Definition enhance
GAMMA:	
COLOR BAR:	Monitor Calibration
FLC:	Flicker less
AUTO IRIS	Lighting adjustment
CDS CONTROL	LED open adjustment
LED LIGHT	LED power adjustment

- **Futures**

※ IP66 aluminum housing

※ High efficiency heat evaporating housing

※ IR anti-reflective glass

※ Special design IR LED and circuit prolongs life span of IR LER

- **Caution for Installation**

1. In order to prevent electric shock and/or water damage, don't loosen any screws and/or covers.
2. Adjust the sunshield to avoid direct sunlight on to the lens.
3. Do not touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
4. Avoid places where are frequent vibrations or shocks.
5. Don't operate the camera in an environment where the temperature reached beyond is specified.
6. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

- **Packing**

1. Camera X1

Attention: After you chose the default setting, please reset:

1. choose DC driver for LENS option.
2. set the shutter speed to 1/250 second.

Notes for installation:

1 . Power up with DV12V or AC24V . Note, if you want to use DC12V power supply, the power should exceed 3.5A.

2 . Adjust the lens in case of blurry picture

3 . The knob which close to the led board on the lens is Zoom, the other knob is Focus, adjust these 2 knobs so that you can get clear image.

4 . Shutter speed: according to the label posted on the control board, gives you a list of different shutter speeds, we recommend not to change it since the default shutter speed is 1/500 sec, below this, you will be capturing plate's number when the car's reaches 150km/h.

5 . AUTO IRIS: to set up picture brightness for correct exposure, for better results, adjust under a daylight condition.

6 . CDS  control: adjust the IR LED operating time; control how dark the LEDs are going to work. The CDS sensor is in the back of the camera, you can adjust 

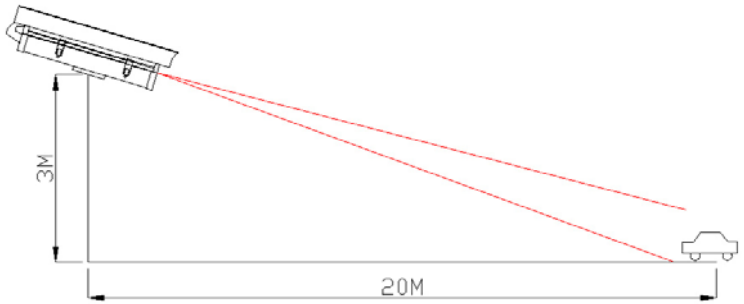
to control it, please do not let CDS sensor be illuminated by road lamps or other light sources when installs.

7 . LED light: adjust LED output power, according to the real working environment; adjust this to let you see number plate clearly at night time.

8 . Installation way:

(1) Camera height: 2.5m to 6m
(2) Distance from the cars: 5-30m

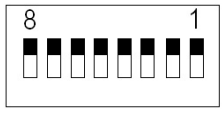
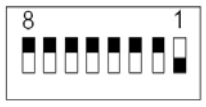
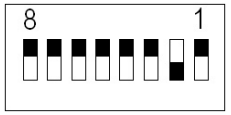
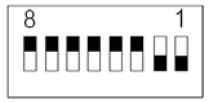
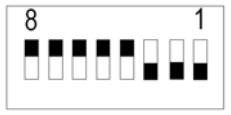
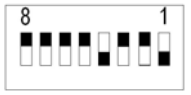
(3) Lens adjustment: let the car on the image be as 70% width on the monitor so that you can clearly see the license plate number.



9. Shutter speed and car speed Chart:

Shutter speed	MILE	KM	Shutter speed	MILE	KM	Shutter speed	MILE	KM	Shutter speed	MILE	KM
1/100	20	30	1/100	40	60	1/250	50	80	1/100	75	100
1/250	80	120	1/500	100	150	1/1000	120	180	1/1000	135	220

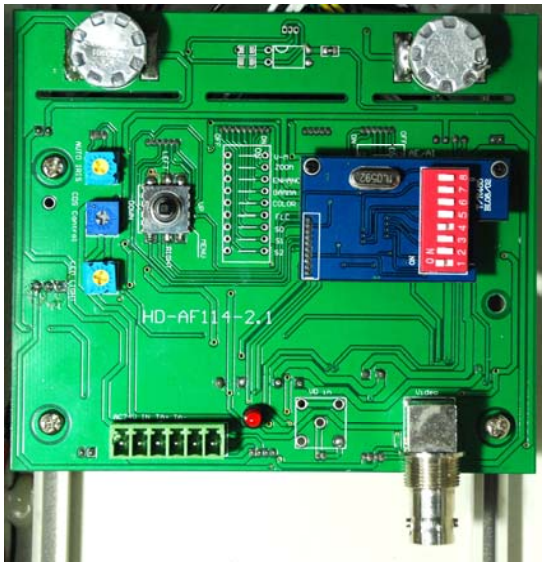
10. RS485 Camera control address instruction

DIP switch	Address code	DIP switch	Address code	DIP switch	Address code	DIP switch	Address code	DIP switch	Address code
	0		1		2		3		4
	5		6		7		8		9……

11:485 protocol and keyboard control

Keyboard and correspondent bottoms on camera board	
IRIS OPEN	ENTER
ZOOM TELE	UP
ZOOM WIDE	DOWN
FOCUS FAR	LEFT
FOCUS NEAR	RIGHT

485 protocol:Pelco-D.2400bps



A1 SECURITYCAMERAS
The First Name in Security

NOTICE

If you experience a license plate Reflection or Backlight as shown below,Set the Auto Iris setting to low under the lens setting in the On Screen Display.
(In the On Screen Display, go to MENU and Follow the Instructions Below)*.

Night View

STEP 1	STEP 2	STEP 3	STEP 4
DC IRIS MENU BRIGHTNESS (40) Go to **MENU** Select **(2).LENS** Select **BRIGHTNESS** Change to **40**	DAY/NIGHT MENU (DAY) Go to **MENU** Select **(4).DAY/NIGHT** Change to **DAY**	EXPOSURE MENU AGC (OFF) SHUTTER (1/250) Go to the MENU Select EXPOSURE Select (3).AGC Change Setting to **OFF** Select SHUTTER Change to **1/500**	3D DNR MENU (OFF) Go to **MENU** Select **(7).3D DNR** Change to **OFF**

***These adjustments are for distances between 30 and 60 Feet at an average of 50mph speed.**

***For IR LEDs Intensity Adjustments for 30 or 60Feet, use the dial located on the board inside the housing.**

Click Here for Video Demo