

NOTICE

For optimal performance for license plate capture, under OSD please change the following settings:

enter "AE", choose "LENS SELECT", enter "**DC**" choose "MAX FLD SET", choose "**OFF**"

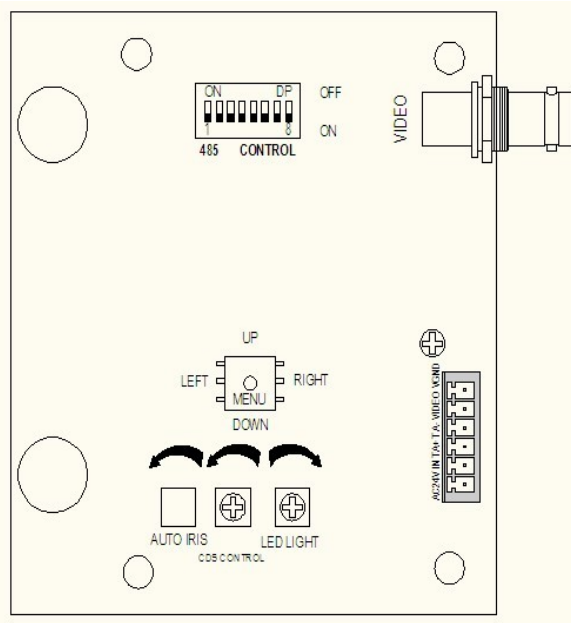
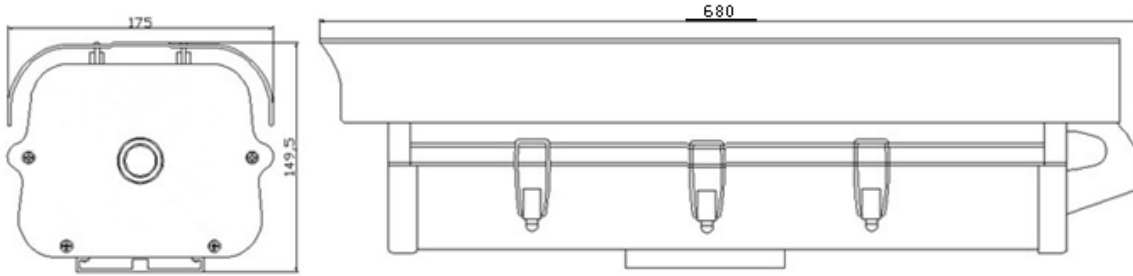
MENU	
GENERAL	
A W B	
A E	→
D & N	DAY
MOTION	
PRIVACY	
COMM	
RESET	
EXIT	

A E	
LENS SELECT	
BRIGHTNESS	2
BACKLIGHT	OFF
FLICKERLESS	OFF
SHUTTER SPD	1/250
AGC MAX SET	LOW
MAX FLD SET	OFF
INITIAL	OFF
RETURN	←

Shutter speed select		
License Plate		
1/250 sec.	40 Mile	60 KM
1/500 sec.	50 Mile	80 KM
1/1000 sec.	75 Mile	120KM
1/2000 sec.	90 Mile	150 KM
1/4000 sec.	110 Mile	180 KM
1/10000 sec.	135 Mile	220 KM

High Resolution CCD Waterproof IR Camera

● ITEM No: CHLP65IR-SLLEDL



Remark: Non-regulative adaptor may cause camera damaged.

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
- ※ No IR diffuse reflection's glass design
- ※ Special design IR LED and circuit prolongs life span of IR LER
- ※ Build-in IR lens Max, the aperture range, and correct the focus warp of IR light
- ※ Build-in 9 PCs high power IR LED

● Caution for Installation

1. In order to prevent electronic shock and/or destroy waterproof, don't loosen any screws and/or covers.
2. Adjust the sunshade cover to avoid sunlight shoot the lens directly.
3. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
4. Avoid places where there are frequent vibrations or shocks.
5. Don't operate the camera beyond its temperature, power source ratings.
6. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

● Packing

- | | |
|------------------|----|
| 1. Camera | X1 |
| 2. User's Manual | X1 |

Specification:

Model	CHLP65IR-SLLEDL
Specification	
Type	Color / Monochrome (D/N)
Image sensor	Ex-View CCD
Picture Elements	NTSC:811H×508V PAL:795H×596V
Resolution	560 TVL
Mini Illumination	5-12Lux (adjustable) 114 PCs High Power IR LED ON
Vertical Frequency	NTSC: 59.94Hz PAL: 50.00Hz
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 Ration	More than 60dB
Electronic Shutter	NTSC1/60-1/100,000SEC; PAL1/50-1/100,000SEC
Lens	5-100mm ASP IR LENS(AUTO IRIS)
White Balance	OSD
Back Light Compensation	OSD
Auto Gain Control	OSD
GAMMA	0.45
Video Out-Put	1.0Vp-p(75 Ω BNC)
Power Supply	DC12V/AC24V
Current Consumption	500-1900 mA(adjustable)/Max current: 2700mA
Recognition distance	15-30M (Shutter 1/1000sec)
Dimension	20*23*60cm
Weight	4KG
Storage Temperature	-30~+60℃
Operating Temperature	-10~+45℃

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. Connect power with DV12V or AC24V input, no need to care which one is – or +. Note, if you want to use DV12V power supply, the power should exceed 3.5Am.
2. Connect Video's BNC to get video output, you will see image, but image maybe blur, you need to adjust the lens.
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 the form we stick on the control board, you can see how to adjust the shutter speed, but better not to adjust it, standard shutter speed is 1/500 sec, under this standard, and you can capture number plate when the car's speed reaches 150km/h.
5. AUTO IRIS: to set up image for correct exposure, to get a picture lightness you satisfy (adjust in daytime)

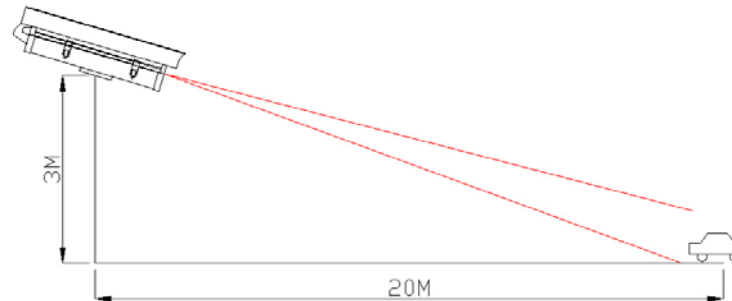


6. CDS control: adjust the LED operating time; control how dark the LEDs are going to work. The CDS sensor is at the back of the camera, you can adjust



to control it, pls 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 away above the road
 - (2) The distance from the camera and the cars: 5-30m
 - (3) Lens adjusting way: let the car on the image be as 70% width on the monitor so that you can see number plate clearly or you can adjust to any width which you can clearly recognize the number plate.



9. OSD Shutter speed and car speed corresponding form:

Shutter Speed Select		
License Plate		
1/60(50) sec.	20 Mile	30 KM
1/100/120sec.	30 Mile	45 KM
1/250 sec.	40 Mile	60 KM
1/500 sec.	50 Mile	80 KM
1/1000 sec.	75 Mile	120 KM
1/2000 sec.	90 Mile	150 KM
1/4000 sec.	110 Mile	180 KM
1/10000 sec.	135 Mile	220 KM

10. RS485 protocol and keyboard control

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

11. RS485 Camera control address instruction:

***Default Setting RS485: Pelco-D.2400 Cam 1**

DIP switch	Ad dres s cod e	DIP switch	Ad dres s cod e	DIP switch	Ad dres s cod e	DIP switch	Ad dres s cod e	DIP switch	Ad dres s cod e
	0		1		2		3		4
	5		6		7		8		9

