

NOTICE

For optimal performance for license plate capture, under **OSD** please change the following settings:
enter “EXPOSURE Select “LENS”, enter “DC”
Select “D-WDR - ON”

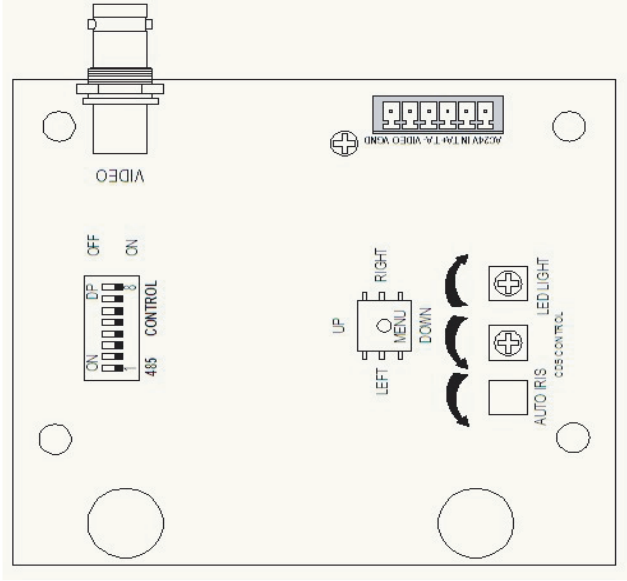
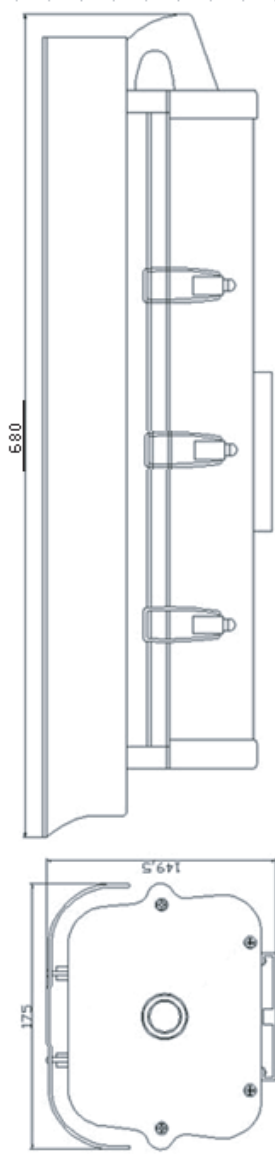
MENU	
LENS	DC
EXPOSURE	---->
BACKLIGHT	OFF
WHITE BAL	ATW
DAY&NIGHT	COLOR
NR -----> 2DNR	LOW
3DNR	LOW
RETURN	RET
SPECIAL	
ADJUST	
EXIT	SAVE&END

EXPOSURE	
SHUTTER	1/240
AGC	9
SENS-UP	
BRIGHTNESS	44
D-WDR	ON
DEFOG	OFF
RETURN	RET

Shutter Speed		
License Plate		
1/250s	40Mph	60Kph
1/500s	50Mph	80Kph
1/1000s	75Mph	120Kph
1/2000s	90Mph	150Kph
1/4000s	110Mph	180Kph
1/10000s	135Mph	220Kph

High Resolution CCD Waterproof IR Camera

● ITEM №: CHLP65IR-TVI-1080



Remark: Non-regulative adaptor may cause camera damaged.

● **Features**

- ※ 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

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

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

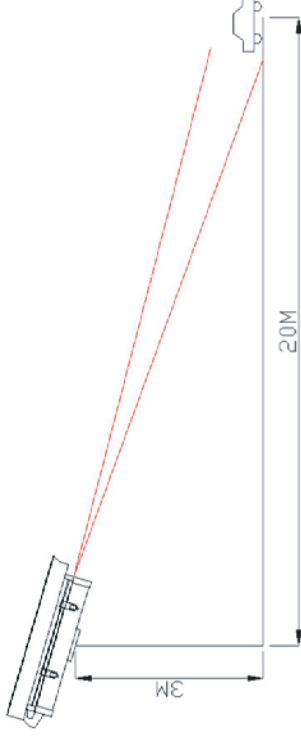


to control it, pls do not let CDS sensor be illuminated by road lamps or other light sources when installs.

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.



Specification	CHLP65IR-TVI-1080
Type	Color , B/W (D&N)
Image Sensor	2MP TVI Camera
Resolution	2.0 Megapixel 1080P
Mini Illumination	0 LUX Adjustable 9 IR Array LED
Vertical Frequency	NTSC: 59.94Hz - PAL:50Hz
Horizontal Frequency	NTSC: 15.734 KHz - PAL: 15.625 KHz
Clock Frequency	NTSC: 28.636 Mhz - PAL: 28.375 Mhz
Scanning System	2:1 Interlace
S/N Ratio	More than 60dB
Electronic Shutter	NTSC: 1/60 - 1/100,000s, PAL: 1/50 - 1/100,000s
Lens	20x Optical Zoom (5-100mm) ASP IR LENS (Auto Iris)
White Balance	OSD
Back Light Compensation	OSD
Auto Gain Control	OSD
Gamma	0.45
Video Output	1.0Vp-p (75Ω BNC)
Power Supply	DC12V / AC24V
Power Consumption	500-1900mA (Adjustable) / Max Current:2700mA
IR Distance	15-30M (Shutter 1/1000s)
Dimension	20x23x60cm
Weight	4KG
Storage Temperature	-30°C~+ 60°C
Operating Temperature	-10°C~+ 45°C

1. Select DC Lens on the OSD
2. Set the Shutter Speed to 1/240s
3. for UTC use with DVR, please update the Firmware to 3.44
4. To access the OSD Menu, Call Preset 95