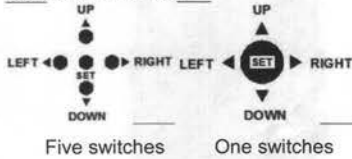


## OSD MENU

Warning: Please read the menu carefully before installation and use.



SET: Push [SET] into Main Menu  
UP/DOWN: Move up and down  
LEFT/RIGHT: Modify the menu parameters

### 1. Lens



This function is used to adjust the brightness of the screen.

- (1). When the SETUP menu is displayed on the screen, select 'LENS' by UP or DOWN button.
- (2). Select the type of the lens setting by pressing the LEFT or RIGHT button.

#### MANUAL:

When use Manual iris lens for the camera, please select MANUAL.

DC: When use DC drive auto iris lens for the camera, please select DC.

VIDEO: When use VIDEO drive auto iris lens for the camera, please select VIDEO.

### 2. EXPOSURE



- (1). SHUTTER (Condition and Speed Control)  
Auto or manual control can be selected.

When the SETUP menu is on the screen, select SHUTTER by the UP or DOWN button. Select the SHUTTER mode by pressing the LEFT or RIGHT button.

#### ■ AUTO:

Auto control of the shutter speed is enabled. The shutter speed is controlled automatically according to the brightness of the scene.

■ FIXED : Select fixed shutter speed from 1/50, 1/250, 1/1500, 1/2000, 1/5000, 1/10000, 1/100000

#### ■ FLK:

Select 'FLK' mode when flickering occurs on the screen due to the imbalance between illumination and frequency. PAL Model: 1/100, NTSC Model:

1/120.

### (2). BRIGHTNESS

Adjust brightness from 0-255 grade.  
Choose RETURN and press the ENTER button when the settings are completed.

### (3). AGC

There are four kinds of options, HIGH, MID, LOW, OFF depending on the lightness of surrounding.

### (4). DWDR.

Two options, ON and OFF.

ON: Adjust brightness from 0~63 depending on the lightness of surroundings.

### 3 WHITE BAL(WHITE BALANCE)

- (1). Select 'WHITE BAL' on the SETUP menu by UP or DOWN button.

- (2). Select required mode by the LEFT or RIGHT button.



Select the modes below

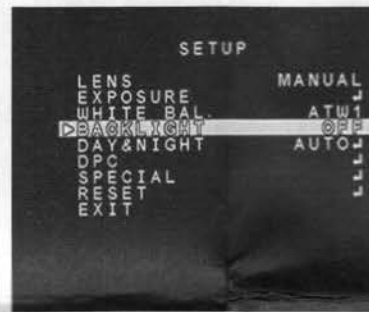
- 1) ATW(Auto Tracking White Balance) : This mode can be used within the color temperature range 1800°K~105 00°K ( fluorescent light ,outdoor, sodium vapor lamp etc )
- 2) MANUAL: Select ATW or AWC first, Change to manual adjustment mode and press SET button. Set the appropriate color temperature, increase/decrease the red and blue color values and monitor the color changes of the object.

Adjust red from 0~255 grade

Adjust blue from 0~255 grade

finishing setting the area, press RETNE button

### 4. BACKLIGHT



#### (1) BLC ( Backlight Compensation)

When there is a strong backlight behind the object, clear images of the background as well as the object can still be obtained by using the BACKLIGHT function.

1. Select "BACKLIGHT" on the SETUP menu by UP or DOWN button.
2. Select the value required by pressing the LEFT or RIGHT button.

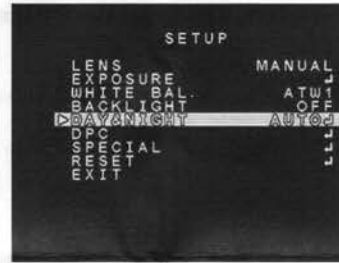
#### (2).HLC

Adjust level from 0~255 grade  
there are two options: night only, all day

### 5.Day & Night

Day & Night Switch is specially designed for different occasions.

There are four kinds of modes as follows: automatic mode, color mode, B/W mode, and external switch. The user can set different mode according to the surroundings.



#### (1). Color Signal

Set menu to display color or not.

- 1). Color to B/W Settings

When the mode is "external control", user can't adjust it. This is color to B/W accumulated light intensity, when it reach "alternating light" state, camera could be damaged by frequent switch. It might cause to not correct judgment of image and reduction of span life of the device.

left or right mirror can be set when turn on mirror

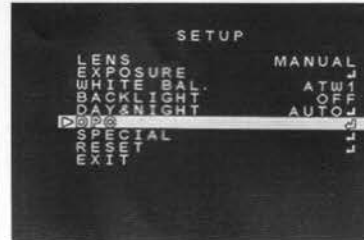
- 2). B/W to Color Settings

When the mode is "external control", user can't adjust it. This is B/W to color accumulated light intensity, when it reach "alternating light" state, camera could be damaged by frequent switch. It might cause to not correct judgment of image and reduction of span life of the device.

- 3). Delay Time

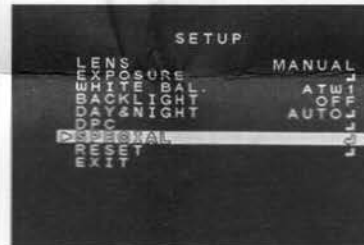
This time means when the light begin to alternate another state, the system make it delay a while for ensuring the lights fully in this switching range.

### 6. DPC



Set the black point and white point as auto-completion-point numbers

### 7. SPECISL



#### (1). Title background

Set the title background.

#### (2). NOITOM

MOTION TRACE OFF

#### 1).AREA

Select AREA and press ENTER to enter Motion Area setting, choose the area where you want to

set Motion Detection, press ENTER to confirm the area (Once ENTER is pressed, the color of the choosing area will change), repeat this step to choose the other areas. After for 1 second to the below menu.

**(3) PRIVACY**

This mode conceals the areas where you don't wish to appear on the screen.

OFF and ON

Select PRIVACY ON and press the ENTER to enter PRIVACY setting

**1) AREA SEL:** You can set 4 privacy areas on the screen (From Area 0 to area 3). Set dimension of each privacy area by LEFT, RIGHT, TOP and BOTTOM menus below AREA STATE

**2) AREA STATE:** Once area 0-3 is set, select AREA STATE ON to conceal the area on the screen, select AREA STATE OFF to disable privacy function on the screen

**3) LEFT/RIGHT/TOP/BOTTOM:** Set the dimension of each privacy area (area 0-3) by the slider.

**4) COLOR:** Select the color of each privacy area by slider.

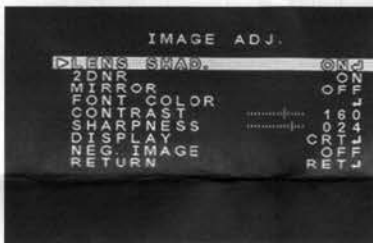
**5) RETURN:** Return to the previous menu.

**(4). PARK LINE**

OFF: **PARK LINE** mode is disabled.

ON: **PARK LINE** mode is enabled

**(5). ADJ IMAGE**



**1).Lens sharp**

OFF and ON

Adjust from 0~255 seconds

**2). 2DNR**

OFF and ON

**3). Mirror**

switch

**4). FONT COLOR**

Adjusted from 0 to 51 seconds

**5). CONTRASR**

Adjusted from 0 to 255 seconds

**6). SHARPNESS**

Adjusted from 0 to 255 seconds

**7). DISPLAY CRT/LCD**

USER

Gamma

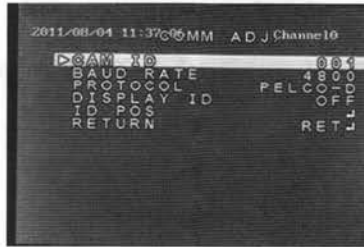
Adjust the gamma value, there are several different modes of curves for options, different modes will give different handling way to the bright and dark area of the image. The user should select appropriate mode to achieve the most optimized image on different occasions

**8). NEG IMAGE**

OFF: NEG IMAGE mode is disabled.

ON: NEG IMAGE mode is enabled

**(6). COMM ADJ**



**1).ID**

Set camera' address, from 0~255

**2). Baud rate**

Set camera communication speed: 2400, 9600, 14400, 19200, 38400

**3). Communication protocol**

**4).Display ID**

ON and OFF

**5).ID POS**

**(7). Language**

1. Select "LANGUAGE" by UP or DOWN button.

2. Setting "LANGUAGE" from "English/Chinese" by LEFT or RIGHT button.

**(8).VERSION**

**8. RESET**



**(1). FACTORY**

Return to the camera's initial setting in factory.

**(2). RETURN**

**9. EXIT**



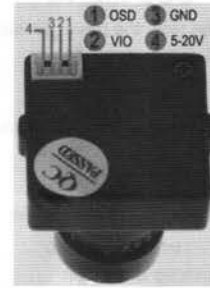
Save all the setting menus and exit main menu

**25x25mm Mini Version Camera Interface**

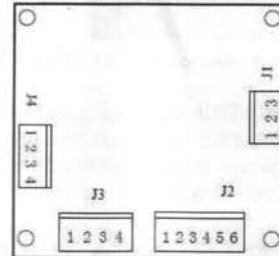
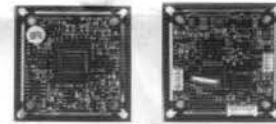
**Bottom Version**



**Top Version**

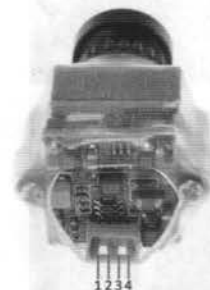


**Sony Super Had II CCD camera interface**



	J1	J2	J3	J4
PIN1	Video Output	Down	GND	DAMP+
PIN2	GND	Up	NC	DAMP-
PIN3	12V Input	Middle	NC	DRV+
PIN4		Right	Control Signal	GND
PIN5		Left		
PIN6		GND		

**17x17mm Version**



- ① MENU
- ② VID
- ③ GND
- ④ DC5-22V