OSD Ultra Miniature Color Camera

※Thank you for your purchase.
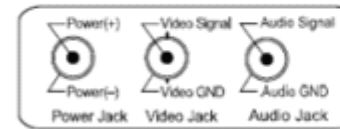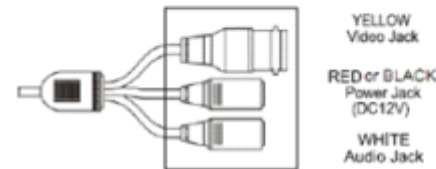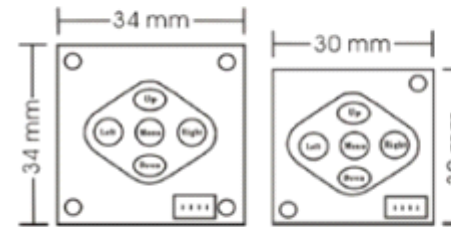
Please read this manual thoroughly before use.

Keep this manual handy for future reference.

■ SPECIFICATIONS

ITEM	WDR Mini Camera
Image Sensor	1/3" Sony Super HAD CCD II
Effective Pixels	PAL:976(H)*582(V);NTSC:976(H)*494(V)
Scanning System	PAL:625 Lines, 50 Field/Sec;NTSC:525 Lines,60 Field/Sec
Sync System	Internal Synchronization
Resolution	700TVL
Illumination Sensitivity	0.01Lux
Lens	3.6mm board lens
Gamma Characteristic	Selectable
S/N ratio	Selectable
Gain Control	Selectable
B.L.C.	Selectable
White Balance	Selectable
Video Output	Selectable
Mirror Image	Selectable
Day & Night	Selectable
Power Supply	DC12V±10%
Operational Temp	-10 ℃ ~ + 50 ℃, RH 95% Max
Storage Temp	-10 ℃ ~ + 50 ℃, RH 95% Max
Weight	Approx 50g

■ INSTALLATION

Dimension & Cable Connection

YELLOW Video Jack

RED or BLACK Power Jack (DC12V)
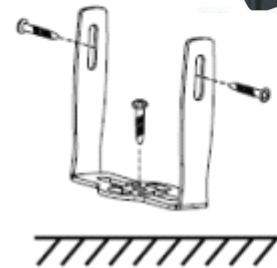
WHITE Audio Jack

Cable Connection

■ SETTINGS

Settings can be made using the OSD button located on the rear of the camera,

OSD CONTROL BOARD

```
SETUP
LENS         DC/VIDEO/MANUAL
EXPOSURE  HUTTER/BRIGHTNESS/AGC/WDR
WHITE   BAL. ATW/AWC/MANUAL
BACK LIGHT   OFF/BLC/HLC
DAY& NIGHT   AUTO/COLOR
DPC              ↵
SPECIAL          ↵
RESET        FACTORY
EXIT
```

■ HOW TO INSTALL

■ CAMERA ADJUSTMENT

- Connect Video & Power Line (DC12V Regulated Power)

- Please set the position where you want to connect the camera.

- Loosen the locking screws and adjusting camera angle,

- Combine each camera parts and lock & tight the each locking screws.

1. LENS

Using this function, you can control screen brightness

When the SETUP menu screen is displayed, select 'LENS' by using the UP and Down buttons so that the arrow indicates'LENS'.

Select the connected type by using Left and Right buttons.

▶ DC/VIDEO: Select Auto Iris Lens.

When DC is selected, you can control screen brightness. The range of

brightness control is between 0 and 100.

Adjust the brightness appropriately for optimal screen brightness.

▶ MANUAL: Select Manual lens

2. EXPOSURE

▶ SHUTTER: You can select either auto or manual shutter

— FLK: Select this when you experience picture flicker

— AUto: Select this mode to control the shutter speed automatically.

Shutter speed is automatically controlled depending on the

brightness of the screen.

▶BRIGHTNESS: You can control the brightness by using the Left and Right

button in Manual Lens mode.

▶AGC:(auto gain control)

▶DWDR: If there are bright area and dark area on the screen at the same time, this

function makes both areas to be in clear image.

—DWDR can be selected 2 steps ON/OFF

3. WHITE BALANCE

▶ ATW: Auto trace white balance

▶ AWB: Select this when the color temperature is between1800～10500K

▶ AWC→SET: To find the optimal setting for the current luminance environment in   this

mode. Set the point the camera, towards a sheet of white paper and press   the SET

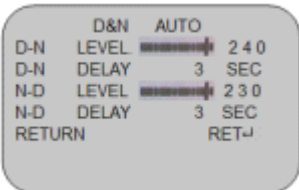button, If the environment changes, readjust it.

▶ MANUAL: Select this to find-tune White Balance manually. Set White Balance   first

by using the ATW or AWC mode. After that switch to MANUAL model.

4. BACK LIGHT

▶ BLC: This function allows you to get a clear pictures of objects even the

objects in strong backlight.

▶ HLC: This function allows you to get a clear pictures of objects even the

objects in highliaht

5. D AY&NIGHT

```
       D&N    AUTO
D-N    LEVEL  ▬▬▬▮    240
D-N    DELAY      3  SEC
N-D    LEVEL  ▬▬▬▮    230
N-D    DELAY      3  SEC
RETURN            RET↵
```

```
COVER   THE   LENS
         THEN
PRESS   ENTER   KEY
```

6.DPC

7. SPECIAL

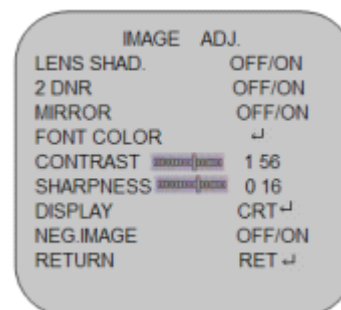▶ CAM TITLE: If you enter a title, the title will be appear on the monitor.   OFF/ON

▶ MOTION: If you connect an alarm device to this camera, you can monitor activity

because a signal is generated by the camera whenever motion is detected.

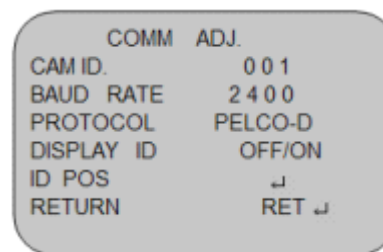Motion detection signal is output through the MD OUT port.

▶ PRIVACY: Hide an area you want to hide on the screen

▶ PARK. LINE   OFF/ON

▶ IMAGE ADJ.

```
        IMAGE   ADJ.
LENS SHAD.        OFF/ON
2 DNR            OFF/ON
MIRROR           OFF/ON
FONT COLOR         ↵
CONTRAST  ▬▬▮▬▬    1 56
SHARPNESS ▬▬▮▬▬    0 16
DISPLAY          CRT↵
NEG.IMAGE        OFF/ON
RETURN           RET↵
```

▶ COMM   ADJ.

```
       COMM   ADJ.
CAM ID.          0 0 1
BAUD  RATE       2 4 0 0
PROTOCOL         PELCO-D
DISPLAY  ID      OFF/ON
ID POS             ↵
RETURN           RET↵
```

▶ LANGUAGE: You can select the menu language according to your requirement.

Supplied Language－ENGLISH/CHINESE

▶ VERSION：   10/12/02

▶ RETURN：   RET

8. RESET

▶ FACTORY: Resets the camera settings to the factory defaults.

Communication status is not initialized.

9. EXIT

Press the SET button in the Exit mean to save the current settings and exit the Main SETUP menu.