720p AHD CCTV Camera OSD User Manual

The 720p HD CCTV cameras (AHD CCTV) that this manual applies to can be found on this page.

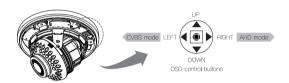
http://www.cctvcamerapros.com/720p-HD-Security-Cameras-s/985.htm

CVBS, AHD mode selection

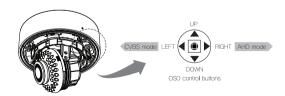
- 1. You need to select the CVBS / AHD mode according to the specifications of DVT.
- 2. Before selecting the CVBS / AHD mode, please check the direction and position of the OSD operation buttons of the product.
- CVBS / AHD mode cannot be selected in a state in which to turn on the OSD setting screen. So, you need to set them atte closing the OSD setting screen.
- . If pressing the OSD button for 3 seconds to the left, it is set up (CVBS) output mode of the Analog.
- . If pressing the OSD button for 3 seconds to the right, it is set for n, it is set up output mode of the AHD.

Methods of operation by Product Type (Please check the position and direction of the OSD operation buttons)

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CVBS, AHD mode selection

- 1. You need to select the CVBS / AHD mode according to the specifications of DVT.
- 2. Before selecting the CVBS / AHD mode, please check the direction and position of the OSD operation buttons of the product.
- CVBS / AHD mode cannot be selected in a state in which to turn on the OSD setting screen. So, you need to set them after closing the OSD setting screen.
- **There are two types of controlling OSD. One is control button type in product, the other type is to control the OSD after opening the CAP of OSD.
- . If pressing the OSD button for 3 seconds to the left, it is set up (CVBS) output mode of the Analog.
- . If pressing the OSD button for 3 seconds to the right, it is set for n, it is set up output mode of the AHD.

Methods of operation by Product Type (Please check the position and direction of the OSD operation buttons)

BULLET (Open)



BULLET (OSD cap)



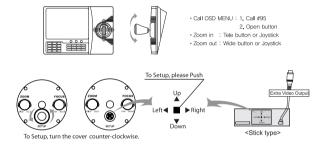
MENU

| SETUP MENU | | | | | |
|------------|--|--|--|--|--|
| LENS | MANUAL DC | | | | |
| EXPOSURE | SHUTTER AGC SENS-UP BRIGHTNESS D-WDR DEFOG RETURN | | | | |
| BACKLIGHT | OFF BLC HSBLC | | | | |
| WHITE BAL | ATW AWC-SET INDOOR OUTDOOR MANUAL AWB | | | | |
| DAY&NIGHT | COLOR B/W EXT AUTO | | | | |
| NR | 2DNR 3DNR RETURN | | | | |
| SPECIAL | CAM TITLE D-EFFECT MOTION PRIVACY LANGUAGE DEFECT RS485 RETURN | | | | |
| ADJUST | SHARPNESS MONITOR LSC VIDEO, OUT COMET (AHD: X / CVBS: 0) RETURN | | | | |
| EXIT | SAVE&END NOT SAVE RESET | | | | |

Above specifications may be changed without any notice.

SETTINGS

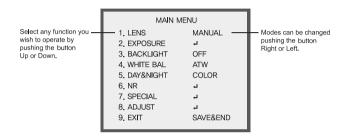
Settings can be made using the 5 buttons located on the back of the camera.



Note

- . 'MANUAL' menu for fixed lens models, 'DC' menu for auto iris models,
- . Box type camera have both Lens menu.
- 1. Please press the SET button
 - · Settings can now be made. The SET menu is displayed on the monitor.
- 2. Please select any function you wish to activate by pushing the button Up or Down
 - The cursor position will appear green on your screen.
 You can push the button Up or Down to change function you wish to change.

MENU



- 3. Please press the button Right or Left if you wish to change mode.
 - When the button is pressed Right or Left, available values and mode are displayed in order. Please keep press the button until you get the mode you wish.
- 4. Please select "EXIT" and then press the button to finish the setting.

SETUP

LENS, EXPOSURE, BACKLIGHT, WHITE BAL, DAY&NIGHT, NR, SPECIAL, ADJUST, EXIT control can be selected.

 When the MAIN MENU is on the screen, please position the cursor to SETUP by using the button, And then press the button.

1. LENS

- When the 'MAIN MENU' menu is displayed on the screen, please position the arrow to point to 'LENS' by using the UP and DOWN buttons.
- Please select the type of the lens you wish to use by pressing the LEFT or RIGHT button.



| MAIN MENU | | | | | |
|---------------------------------|----------|--|--|--|--|
| 1, LENS | DC - | | | | |
| 2, EXPOSURE | 4 | | | | |
| 3. BACKLIGHT | OFF | | | | |
| 4. WHITE BAL | ATW | | | | |
| DAY&NIGHT | AUTO | | | | |
| 6. NR | 4 | | | | |
| 7. SPECIAL | 4 | | | | |
| 8. ADJUST | 4 | | | | |
| 9. EXIT | SAVE&END | | | | |

- DC: Auto iris lens selection
- MANUAL : Manual lens selection
- Please press thr SETUP button if you wish to return to the previous menu,

2. EXPOSURE

- When the 'MAIN MENU' menu screen is displayed, select 'EXPOSURE' by using the UP and DOWN buttons so that the arrow indicates EXPOSURE.
- Select a desired mode using the UP and DOWN buttons.





- . SHUTTER (Fixed the shutter speed in Manual mode.)
 - AUTO: Default-Users set the brightness of the scene and the shutter speed is controlled automatically, controlled automatically,
 - MANUAL : The shutter speed is controlled by users.
 - AHD ($1/30(25) \sim 1/50,000$, x2, $\sim x30$) / CVBS ($1/60(50) \sim 1/50,000$, x2, $\sim x30$)
 - FLK: Select this when you experience picture flicker, which can happen when there is a clash with the frequency of the installed lighting

· AGC (Auto Gain Control)

- The higher the gain level, the brighter the screen but the higher the noise.
- AGC : Auto Gain Control level set 0~15





· SENS-UP

- SensUP is realized in the most low illumination quality and it provides the image without a noise at the low illumination quality.
- When it is night or dark, the camera automatically detects the light level and maintains a clear picture if this mode is activated.
- AUTO: Auto level control (x2 ~ x30)

• BRIGHTNESS: Brightness level control (0~100)

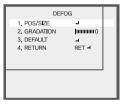


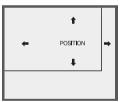


• D-WDR (Digital Wide Dynamic Range)

Realize the improved backlight compensation function more than existed DWDR (Digital Wide Dynamic Range) with a fusion ratio of the optimum by pixel, when they composite both a shutter of high speed at the light area and the shutter of low speed at the dark area





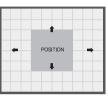


- . DEFOG: Brighten the image when it is foggy or cloudy
 - 1. POS/SIZE: Select the region to apply DEFOG.
 - 2. GRADATION: You can set the level of DEFOG from 0 to 2
 - 3. DEFAULT: The set point in PRIVACY TAB gets initialized.

3. BACKLIGHT



| | BLO | | |
|------------|-----|--------|---|
| 1. LEVEL | | MIDDLE | |
| 2. AREA | | J | |
| 3. DEFAULT | | - | |
| 4. EXIT | | RET → | |
| | | | |
| | | | - |
| | | | |
| | | | |
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| | | | |

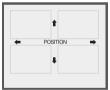


· BLC (Back Light Conpensation)

Possible to select two areas at AREA SEL and can control GAIN, Expand or reduce a length area by HEIGHT and the width area by WIDTH, Move to a width direction by LEFT/RIGHT and the length direction by TOP/BOTTOM,







· HSBLC : Sets HSBLC area of separate way from HLC mode.

1. SELECT: You can adjust 4 direction

2. DISPLAY: You can select (ON, OFF)

3, BLACK MASK: The transmission range of light in HSBLC is shown in Black,

4, LEVEL: You can set the level of Black Mask from 0 to 100.

5. MODE: You can select. (ALL DAY, NIGHT)

6, DEFAULT: The set point in HSBLC TAB gets initialized,

4. WHITE BAL

The screen color can be adjusted by using the WHITE BALANCE function.

- 1. Please position the arrow to point to 'WHITE BAL' on the SETUP menu by using the UP and DOWN buttons.
- 2. Please select the mode you wish to operate by pressing the LEFT or RIGHT button.



- . ATW: Select this when the color temperature is between 2300° K and 9500° K
- AWB: Select this when the color temperature is between 2500° K and 10500° K
- 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 chances, readiust it.





- MANUAL: Select this to fine-tune White Balance manually. Set White Balance first by using the ATW or AWC mode.
 After that switch to MANUAL mode, fine-tune the White Balance and then press the SET button.
- INDOOR: Select this when the color temperature is between 4500° K and 8500° K
- OUTDOOR: Select this when the color temperature is between 1800° K and 10500° K (sodium light inclusion)

5. DAY&NIGHT

You can display pictures in color or black and white.

• When the SETUP is on the screen, please position the cursor to 'DAY & NIGHT' by using the button. And then press the button.









- · AUTO: The camera will automatically show color image in high lux and black / white image in low lux,
 - DAY → NIGHT: Color to B/W mode slide. 0 to 255
 - NIGHT → DAY: B/W to Color mode slide. 0 to 255
- · EXT: It is a mode to convert Day & Night by received external input signal.

IR camera does not have this feature, Instead, it detects lux using CDS, and turn on IR LEDs. Then, the video of the camera changes to $\rm B/W$ mode,

- . COLOR : This picture is always displayed in color.
- *B&W : BURST r OFF : You can see clear picture without color noise when BURST function is off.

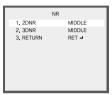
L ON: When using some monitor or DVR system, color noise can be seen on the screen in that case. You can select the 'BURST' function 'ON'

- IR SMART: Can adjust the display saturation as ON or OFF.
- IR PWM: Can adjust the display saturation as 0 to 100

6. NR (Digital Noise Reduction)

Improve S/N ratio and more clean the low illumination quality and can be monitoring at night clearly without the image drag and noise phenomenon.





- 2DNR / 3DNR
 - OFF: DNR function does not operate.
 - LOW / MIDDLE / HIGH: You can select 'LOW', 'MIDDLE' or 'HIGH' menu as NR condition.

7. SPECIAL

CAM TITLE, D-EFFECT, MOTION, PRIVACY, LANGUAGE, DEFECT, RS485, RETURN control can be selscted.



1. CAM TITLE

If you enter a title, the title will appear on the monitor.





- ← , → : When it modify, user can move revision text.
- CLR: User can remove all text,
- POS: The text move to the position,
- RET : After finishing USER TITLE to the upper menu.

2. D-EFFECT





- -FREEZE: When using 'FREEZE' function on, you can see the negative picture on the screen.
- MIRROR: You can select function by using LEFT or RIGHT button.









- NEG. IMAGE: When using 'NEG.IMAGE' function on, you can see the negative picture on the screen.

3. MOTION (Detects a moving odject)

This product has a feature that allows you to observe movements of objects in selected areas on the screen, and the shape '\tik' appear on the screen when movement is detected; hence a single individual can conduct supervision efficiently. The camera detects an object's movement by sensing disparity of outline, and level of brightness and color.





- 1. SELECT: Select the region to apply Privacy
- 2. DISPLAY: You can select (OFF / ON)
- 3. SENSITIVITY: The available range of level is $0{\sim}100$
- 4. COLOR: You can change color of motion range in SELECT(green, blue, white, red)
- 5. TRANS: You can set the color lever of motion region selected in SELECT
- 6. ALARAM : Set the output system
- 7. DEFAULT: The set point in MOTION TAB gets initialized.

4. PRIVACY

The mask controls about the zone where the privacy is necessary. The total mask is 4 zones. The each mask color can control.





- 1. SELECT: Select the region to apply Privacy
- 2. DISPLAY: You can apply 4 types (MOSAIC, INV., COLOR, OFF) in PRIVACY selected
- 3. SENSITIVITY: The available range of level is 0~100
- 4. COLOR: You can change color of Privacy range in SELECT(green, blue, white, red)
- 5. TRANS: You can set the level of Privacy range in SELECT
- 6. DEFAULT: The set point in PRIVACY TAB gets initialized.

5 LANGUAGE

You can select language, (Default is ENG)

6. DEFECT





- DPC control mode

You can set the level point of DPC (LIVE DPC / WHITE DPC / BLACK DPC)

7 RS485





- 1. CAM ID: You can select camera ID from 0 to 255 when using remote control
- 2, ID DISPLAY: You can move title by using UP, DOWN, LEFT, RIGHT button
- 3. BAUDRATE: You can select 2400 / 4800 / 9600 / 19200 / 38400 bps.

8. ADJUST

SHARPNESS, MONITOR, LSC, VIDEO, OUT, COMET, RETURN control can be selscted.





- 1, SHARPNESS: Sharpness level control (LEVEL / START AGC / END AGC)
- 2. MONITOR: You can select (CRT / LCD)
- 3. LSC: When using wide angle, you can compensate darkness of corner on the screen
- 4. VIDEO, OUT: You can select (NTSC / PAL)
- 5. COMET: You can select (OFF / ON: DVR without COMET outputs B/W image)

9. EXIT



SAVE&END : Save the set of OSD
 RESET : Factory initialize

3. NOT SAVE: Do not save the set of OSD

