OSD Manual

For AHD Cameras

Please read this manual carefully before installation and operation of the product.

AHD OSD : Setup and Programming

1. OSD MENU TREE





2. SETTING UP THE MENU

Settings can be made using the OSD Switch located on the back of the camera.

- 1. Press the button to access the SETUP mode. The SETUP menu is displayed on the monitor.
- 2. Please select any function you wish to activate by using the UP / DOWN selections

The cursor can be moved up or down by using the UP / DOWN selections. Position the cursor to point to the function you wish to operate.



*MAIN-menu : Use UP / DOWN selections. / SUB-menu : Use LEFT / RIGHT selection

- 3. Change the status of the selected feature using the LEFT / RIGHT selections. When the LEFT or RIGHT selection is done, available values and modes are displayed in order.
- Please keep the selection until you get to the mode you wish to operate. 4. When completed, move the cursor indicator to 'EXIT' position and press the
- Button to finish the setting.

☞Note

If '4' Appears at the mode you wish to operate, it means that there is a sub-menu which can be selected by OSD Switch.

3. LENS

- (1) MANUAI
- When MANUAL lens is used.

MAIN	MENU
►1. LENS	DC
2. EXPOSURE	4
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	AUTO 🖨
6. NR	÷.
7. SPECIAL	4
8. ADJUST	4
0 EVIT	SAVE&END4

 MODE :: NDOOR: Adjusts the MAX SHUTTER Vou can select the MAX SHUTTER You can select the MAIN MENU or SAVE&END. IRIS SPEED : Adjusts the IRIS SPEED in 0 ~ 15. RETURN : Returns to the MAIN MENU or SAVE&END. SHUTTER DC When lens mode is on 'DC', Shutter will be deactivated. MANUAL A. UTO : The shutter speed is controlled automatically. RETURN : Returns to the MAIN MENU or SAVE&END. MANUAL A. UTO : The shutter speed is controlled manually. F. KE: Please select FLK mode when flickering occurs on the screen, due to an imbalance between illumination and trequency. (FIXED : The shutter speed is controlled manually. 'You can select Telk mode when flickering occurs on the screen, due to an imbalance between '1/30' to '1/50,000' sec. (FRL) 'You can select the speed is controlled manually. 'You can select Telk mode when flickering occurs on the screen, due to an order the source of the source of the word of the word of different levels is higher, the picture berong of the source of the source of the word of different levels of backit or contrast and this model realized its best set up for the struct source of the word of different levels of backit or contrast level of the most of different levels of backit or contrast level of the screen of the word of the word of al word of the servel of the word of thereword wo	(2)	DC When DC IBIS long is used	DC LENS	MODE
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		 POS / SIZE : Determines the coordinate of the vertical / Horizontal position. Determines the coordinate of the vertical / Horizontal size. 	DEF 2. GRADATION 3. DEFAULT 4. RETURN	FOG

- GRADATION : Adjusts the gradation 0 ~ 2.
- DEFAULT : Initialize all setting of the defog.
- RETURN : Returns to the EXPOSURE or SAVE&END.





- (7) RETURN Returns to the MAIN MENU or SAVE&END.
- 5. BACKLIGHT MAIN MENU (1) BLC 4. WHITE BAL 5. DAY&NIGH 6. NR 7. SPECIAL 8. ADJUST 9. EXIT Used for backlight environment. AUTO 🖨 (HIGH / MIDDLE / LOW) AVEREND MAIN MENU LOW LC 🗧 BLC DAY&N AUTO 5. DA Fairle 6. NR 7. SPECIAL 8. ADJUST 9. EXIT 1. LEVEL 2. AREA 3. DEFAULT 4. RETURN AVE&END (2) HSBLC MAIN MENU Can mask the head lights to view car license 3. BACKL number plate more clearly. ISBLC ECLIPSE MASKING AREA



- SELECT : You can select up to 4 areas

- DISPLAY : Determines whether to use the HSBLC area selected in AREA SELECT.
- · ON : Determines the coordinate of the vertical / horizontal position. Determines the coordinate of the vertical / horizontal size.
- BLACK MASK : BLACK MASK ON / OFF.
- LEVEL : Adjusts the LEVEL 0 ~ 100.
- MODE : ALL DAY / NIGHT Adjusts the AGC Level in 0 ~ 255 at selecting NIGHT.
- DEFAULT : Initialize all setting of the HSBLC.
- RETURN : Returns to the MAIN MENU or SAVE&END.

(3) OFF

6. WHITE BAL

This is useful when the cameras are installed in different artificial lighting conditions where a standard 'White Balance' condition is not suitable for all.

- (1) ATW (Auto Tracking White Balance) This mode can be used within the color temperature range 2,000°K ~ 20,000°K.
- (2) AWB shows the auto white balance encompassing all the color temperature spaces without separately specifying a white area in line with the color temperature.
- (3) MANUAL In the manual mode, the user can choose the color and temperature. The user can adjusts the color and temperature by controlling red and blue gain.
- (4) OUTDOOR A color temperature is fixed for use in the outdoor environment.
- (5) INDOOR

A color temperature is fixed for use in the indoor environment.

(6) AWC → SET This mode is used to fix the color temperature value once it is set under a certain color temperature environment. When "AWC → SET" of the OSD MENU is on, the color temperature is fixed in 1-2 seconds. If one or more value of each OPD Block are included in the ATW area, the color temperature is fixed by the corresponding OPD data. Otherwise, it becomes fixed by all the OPD data.

7. DAY&NIGHT

You can display pictures in Color or B/W.

(1) AUTO Automatically turns between Day and Night Mode

MAIN	MENU
1. LENS	DC
2. EXPOSURE	- H
BACKLIGHT	OFF
4. WHITE BAL	ATW
▶5. DAY&NIGHT	AUTO
6. NR	(
7. SPECIAL	<u>ا</u> له
8. ADJUST	<u>ا</u> له
9. EXIT	SAVE&END

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

	MANUAL	_
▶1. BLUE	50	
2. RED 3. RETURN	RET 📢	



ALL DA'

BLACK M
 LEVEL
 MODE
 DEFAULI
 RETURN

You can select the duration time about changing the Day / Night mode 0 ~ 60.

• D → N : To adjust lux level for switching Day to Night. • N → D : To adjust lux level for switching Night to Day.

(2) EXT

Color or B / W is controlled by the signal coming from an external GPIO port.

- (3) BW
- The picture is always in black and white. BURST ON/OFF IR AMART : ON / OFF. Adjusts the level in 0 ~ 15. (Default 3)

(4) COLOR

The picture is always in color.

8. NR (Noise Reduction)

Noise Reduction (NR) is used in order to obtain a high quality output image and enhance compression efficiency. Offers Edge Preserving 2D NR and Motion Adaptive 3D NR.	1. LENS 2. EXPOSURE 3. BACKLIGHT 4. WHITE BAL 5. DAY&NIGHT ▶6. NR 7. SPECIAL 8. ADJUST 9. EXIT	DC OFF ATW AUTO 4 4 4 SAVE&END 4
(1) 2D NR	N	R

(1

Cuts off the noise in low light condition.

- (2) 3D NR Cuts off the noise in low light condition.
- (3) RETURN
- Returns to the MAIN MENU or SAVE&END.

9. SPECIAL

(1)		
(1)	CAWITTLE	

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

- 1. Please position the arrow to point to 'SPECIAL' on the moving UP or DOWN direction.
- 2. Then, select 'ON' by using the LEFT and RIGHT selection When you press the button to complete 'ON', then 'CAM TITLE' will be displayed.

INOTE

• If 'OFF' is selected, the CAM TITLE does not appear on the monitor even if it has been input



3 Up to 15 letters are available for the CAM TITLE

- (1)Please move the cursor to the letter to choose by using the UP and DOWN selections 2)Set an ID from 0, 1, ~ 8, 9, A, B, ~ Y, Z by using the UP, DOWN, LEFT and
- **RIGHT** selections
- (3)Lock in the letters by using the button.
- When the letter is locked in, the cursor moves to the next space. (4) Please repeat the above to input CAM TITLE.
- 4. When a name has been chosen, please select a position for the name to display.
- (1)Please move the cursor onto 'POS' and then press the button.
- The name will appear at the top right corne

(3)Please find the position you wish to displa directional selections, and then press the

5. Please select 'END' and then press the but nput

(2) D-EFFECT

- FREEZE : You can view still or moving pic
- MIRROR : ROATE / V-FLIP / MIRROR / OF
- NEG. IMAGE : Negative ON / OFF.
- RETURN : Returns to the SPECIAL MENU or SAVE&END.

(3) MOTION

- SELECT : You can select up to 4 MD areas.

er. y the name by using the 4 putton to finish.		
tton to	complete CA	M TITLE ir
	SPE	CIAL
	1. CAM TITLE	ON
tures.	2. D-EFFECT 3. MOTION	OFF
	4. PRIVACY	OFF
	5. LANGUAGE	ENG 🗧
)FF.	6. DEFECT	
	1 / RETURN	REL

D-EFFECT

1. FREI 2. MIRROR 3. NEG . IMAGE 4. RETURN OFF OFF RET 🖨



- DISPLAY : Determines whether to use the MD area selected in AREA SELECT.

- ON : Determines the coordinate of the vertical / horizontal position. Determines the coordinate of the vertical / horizontal size.
- SENSITIVITY : Determines the coordinate of the sensitivity.
- COLOR : GREEN, RED, WHITE, BLUE.
- TRANS : Set the color transparency for displaying a detected area.
- ALARM : Set the alarm output. (VIEW TYPE, OSD VIEW, etc.)
- DEFAULT : Initialize all setting of the MOTION.
- RETURN : Returns to the SPECIAL MENU or SAVE&END.

(4) PRIVACY

MAIN MENU

MAIN MENU

DC ← OFF ATW AUTO ←

2. 3DNR 3. RETURN

- SELECT : You can select up to 4 PRIVACY areas.
- DISPLAY : Determines whether to use the MD area selected in AREA SELECT.
- COLOR : CYAN, GREEN, YELLOW, BLUE, RED, BLACK, WHITE, USER.
- TRANS : Set the color transparency for displaying a detected area.
- DEFAULT : Initialize all setting of the PRIVACY.
- RETURN : Returns to the SPECIAL MENU or SAVE&END.

(5) LANGUAGE

ENG / ARB / HEB / JPN / KOR / TUR / NED / POR / RUS / POL / SPA / ITA / FRA / GER / CHN2 / CHN1. (Supports up to 16 Languages)

(6) DEFECT

- LIVE DPC : Live Dead Pixel Correction. AGC LEVEL : Adjusts the AGC LEVEL 0~255
- · LEVEL : Adjusts the LEVEL 0 ~ 100. RETURN : Returns to the DEFECT MENU

or SAVE&END.		

	· ·
DPC : White Dead Pixel Correction.	\bigcap
/ SIZE · Adjusts the position and size	

▶1. AGC LEVEL

- WHITE · POS / SIZE : Adjusts the position and size • START
- · DPC VIEW : ON / OFF
- · LEVEL : Adjusts the LEVEL 0 ~ 60.
- AGC : Adjusts the LEVEL 0 ~ 14.
- SENS-UP : Adjusts the LEVEL x2 ~ x30. RETURN : Returns to the DEFECT MENU or SAVE&END
- BLACK DPC : Black Dead Pixel Correction. • POS / SIZE : Adjusts the position and size.
- START
- · DPC VIEW : ON / OFF.
- · LEVEL : Adjusts the LEVEL 0 ~ 255. · RETURN : Returns to the DEFECT MENU or SAVE&END.

- RETURN : Returns to the SPECIAL MENU or SAVE&END.

(7) RETURN

Returns to the MAIN MENU or SAVE&END.

10. ADJUST

(1) SHARPNESS

- LEVEL : Adjusts the LEVEL 0 ~ 10.
- START AGC : When the level is high, the sharpness of picture at night is improved while noise is increased.

- END AGC : Set to 255 Level for optimized definition at night.

- RETURN : Returns to the ADJUST MENU or SAVE&END.

SHARPNESS

EVEL

3. END AGC 4. RETURN

RET

MOT	ΓΙΟΝ
▶1. SELECT	AREA1
2. DISPLAY	OFF
3. SENSITIVITY	30
4. COLOR	BLUE
5. TRANS	1.00
6. ALARM	TIME
7. DEFAULT	4
8. RETURN	RET

	A. LCD
	- GAMMA : Adjusts the LEVEL 0.45 ~ 1.00, USER
	- BLUE GAIN : Adjusts the LEVEL 0 ~ 100.
	- RED GAIN : Adjusts the LEVEL 0 ~ 100.
NL OFF	 RETURN : Returns to the ADJUST MENU or SAVE&END.

(2) MONITOR

B. CRT

ENG 🖨 DEFECT PRIVACY

SPECI/



SPECIAL

SPECIAI

DEFECT

WHITE DPC

BLACK DPC

MAIN MENU

DC I OFF ATW

AUTO 🕻

3. BLACK DPC

3. DPC VIEW

5. AGC 5. SENS-UP

RETURN

▶1. POS / SIZE

3. DPC VIEW 4. LEVEL 5. RETURN

B. ADJUS

CAM TITLE

RETURN

OFF ∉∎

ENG (

RET

OF

OFF RET

x4 RET**∉**

RET

(3) LSC Lens Shading Correction (LSC) corrects the phenomenon where the image gets darkened or blurred on the periphery.

- BLUE GAIN : Adjusts the LEVEL 0 ~ 100.

- RED GAIN : Adjusts the LEVEL 0 ~ 100.

- RETURN : Returns to the ADJUST MENU or SAVE&END.

(4) VIDEO.OUT

NTSC / PAL - Video output can be set to NTSC or PAL according to local TV standard

ADJUST		
1. SHARPNESS 2. MONITOR 3. LSC	AUTO ← LCD ← OFF	
4. VIDEO.OUT 5. OUT. MODE 6. RETURN	NTSC AHD RET∢	

ADJUST

ADJUST

ADJUST

LCD

AHD RET +

RET

▶1. SHARPNESS

VIDEO.OUT

5. OUT. MODE 6. RETURN

2. MONITOR

4. VIDEO.OUT 5. OUT. MODE 6. RETURN

1. GAMMA 2. BLUE GAIN

RED GAIN
 RETURN

(5) OUT. MODE

(6) RETURN Returns to the MAIN MENU or SAVE&END.

ADJUST NESS AUTO∢ LCD∢ 5. OUT. MODE

MAIN MENU

8. ADJUST

DC OFF ATW AUTO

SAVE&END+

* If the version of DVR is 1.0, 'DISTANCE' menu is added.

'DISTANCE 'menu enables to choose (select) 'NORMAL' of 'LONG' depending on length of cable.

11. EXIT

(2) NOT SAVE

menu

(3) RESET

(1) SAVE&END Save the current settings and exit the menu.

Do not save the current settings and exit the

Resets the camera settings to the factory defaults.