USER-FRIENDLY MANUAL FOR OSD MENU

USER-FRIENDLY MANUAL FOR OSD MENU

- You may select the OSD menu items you desire to adjust by using OSD buttons.
- To use OSD menu, press SET button and CAMERA SETTING menu will appear on the screen as follows.

CAMERA SETTING	
CAMERA ID EXPOSURE WHITE BAL DAY/NIGHT MOTION DET 3D-DNR PRIVACY SPECIAL 4J RESET 4J EXIT 4J	OFF ALC ← ATW AUTO OFF MIDDI OFF
E/uli 🦛	

Move the arrow to select functions by using UP / DOWN & LEFT / RIGHT buttons.

1. CAMERA ID

You may select the CAMERA ID.

2. EXPOSURE

You may select ALC or ELC. You could also change BRIGHTNESS, AGC, SHUTTER (Shutter Speed) and SENSE-UP in this menu.

3. WHITE BAL

You may select this menu to correct balance of red and blue for current environment. Please choose the desired option from ATW, AWC \rightarrow PUSH and MANUAL.

4. DAY NIGHT

You may select the desired option from AUTO, Night, Day and EXT.

5. MOTION DET (Motion Detection)

The camera can detect the change in motion for your desired areas.

6. 3D-DNR

It digitally reduces noise and shows more clear images at low illumination.

7. PRIVACY

You may hide a part of the image on the screen for your desired areas.

8. SPECIAL

You may utilize the options for D-ZOOM, D-EFFECT, SHARPNESS, STABILIZER, COLOR, USER TITLE and LANGUAGE.

9. RESET

You may utilize the options for CAMERA REBOOT, FACTORY RESET and COMMUNICATION.

10. EXIT

When you finish modifying the functions in the OSD menu, you may EXIT by pressing SET button.

COMMUNICATION

PROTOCOL BAUD RATE SAVE & REBOOT	LG 9600b
EXIT	RET

- COMMUNICATION : You may select PROTOCOL among LG, PELCO-D & PELCO-P and BAUD RATE among 2400, 4800 & 9600bps. After setting PROTOCOL and BAUD RATE, please SAVE & REBOOT.

10. EXIT : Press SET button after placing the arrow at EXIT.



USER-FRIENDLY MANUAL FOR OSD MENU

8-2. D-EFFECT (Digital Effect)

- OFF : Shows the image as it appears.
- V-FLIP : Flips the image upside down.
- MIRROR : Shows the image as you look into mirror.
- ROTATE : Roates the image by 180 degrees

8-3. SHARPNESS

- Image clarity can be improved by adjusting the level for SHARPNESS ranging from 0 to 68.

8-4. STABILIZER

- When you turn STABILIZER on, the camera automatically compensates for vibration to show stable images.

8-5. COLOR

- When you set it to OFF, you will see only black & white images.

8-6. SYNC : INT (Internal) Only

8-7. USER TITLE : You may designate USER TITLE as shown in the picture.

CAM TITLE
ABCDEFGHIJKLM NOPQRSTUVWXYZ
a b c d e r g n i j k i m n o p q r s t u v w x y z
$ 0123456789$ $\leftarrow \rightarrow CLR POS END$

USER TITLE could be up to 15 alphanumeric characters. You may choose a character by using UP / DOWN & LEFT / RIGHT buttons to locate and pressing SET button. Please repeat the step until USER TITLE is created.

To erase all the characters you have input, move the cursor to CLR and press SET button.

To move the position of USER TITLE to your desired location on the screen, move the cursor to POS and press SET button. To exit after creating USER TITLE, move the cursor to END and press SET button.

8-8. LANGUAGE : You may select the language you prefer by pressing LEFT / Right buttons. It supports 15 different languages.

9. RESET

- There are 3 options for RESET as shown in the picture.

RESET

► CAMERA REBOOT جن FACTORY RESET جن COMMUNICATION جن EXIT RETچن - CAMERA REBOOT : Saves all the modifications you have made and reboots the camera.
 - FACTORY RESET : Starts from the original settings from the factory.

Detailed Description for OSD Main Menu

1. CAMERA ID : You may designate the CAMERA ID from 1 to 255.

2. EXPOSURE

When you get into EXPOSURE, you may adjust the functions as shown in the picture. You may select ALC for a camera containing a DC auto iris lens or ELC for a camera containing a manual iris lens.

EXPOSURE-ALC	
 BACKLIGHT BRIGHTNESS AGC SHUTTER SENS-UP EXIT 	BLC * 50 MIDDLE AUTO OFF RET *

2-1. BACKLIGHT

You may select the option from BLC and HSBLC. When you select BLC, you may adjust the level by choosing LOW, MIDDLE or HIGH.

HSBLC SETUP	
AREA SETTING GRAY SCALE USER SCALE MASK EXIT	GRAY 0 ∣ OFF RET ↓

When you select HSBLC, HSBLC SETUP menu will appear as shown in the picture.

You may set the areas for HSBLC among 16 areas by using LEFT / RIGHT buttons and turn it on by pressing UP / DOWN buttons.

Please select GRAY, DARK GRAY or BLACK for GRAY SCALE. USER SCALE ranges from 0 to 5 and you may turn MASK on or off. When you finish HSBLC SETUP, press SET button.

2-2. BRIGHTNESS

You may select the level of BRIGHTNESS from 0 to 100.

2-3. AGC

You may select OFF, LOW, MIDDLE or HIGH for Auto Gain Control.

2-4. SHUTTER

You may choose the desired shutter speed ranging from X1/90,000 to X512. FLK is recommended to select when flickering occurs.

2-5. SENSE-UP

You may select the value for SENSE-UP ranging from x2 and x128. When AGC is set to OFF, you cannot operate SENSE-UP. In addition, SHUTTER must be set to AUTO to activate SENSE-UP. INDOOR

0......

0......

RET←

3. WHITE BAL

- ATW (Auto Tracking White Balance) : Generally selected for color temperature ranging from 1,800K to 10,500K.
 AWC→PUSH : Let the camera focus on a piece of white paper and press SET button to obtain the best result.
- When light source for the environment changes, readjustment for WHITE BALANCE will be required. - MANUAL : When you select MANUAL for WHITE BALANCE, WB MANUAL SETUP menu will appear as shown in the picture.
 - WB MANUAL SETUP

► COLOR TEMP

You may set the COLOR TEMPERATURE to INDOOR or OUTDOOR.
 Please adjust the levels for RED (Red Gain) and BLUE (Blue Gain) while momitoring color of the image. The values range from -100 to 100.

4. DAY NIGHT

RED

FXIT

BLOUE

AUTO : When you select AUTO, D/N AUTO SETUP menu will appear as shown in the picture.
 You may select the LEVEL among LOW, MIDDLE and HIGH. DWELL TIME rages from 5 to 60 seconds.

D/N AUTO SETUP	
►LEVEL	MIDDLE
DWELL TIME	10 SEC
EXIT	RET 🗸

- NIGHT : The image is always shown in black & white mode. - DAY : The image is always shown in color mode.

- EXT (External) : It can be carried out by setting the value externally.

5. MOTION DET

- Access to MOTION DET to activate MOTION DETECTION as shown in the picture.

MOTION DETECTION

► ZONE NUMBER ZONE STATE		A O	REA1 FF
HEIGHT	40		
WIDTH	40		
MOVE Y	50		իսոսո
MOVE X	50		իսոսո
SENSITIVITY	50		իսոսո
EXIT		R	ÉT ~

- ZONE NUMBER : There are 4 zones you could select for motion detection.
 ZONE STATE : For each designated zone, you may turn MOTION DETECTION on or off.
- HEIGHT : You may increase or decrease heigh of the designated zone.
 - Ranges from 12 to 92. (Left Button \rightarrow Decreases / Right Button \rightarrow Increases)
- WIDTH : You may increase or decrease the width of the designated zone. Ranges from 16 to 98.
- (Left Button → Decreases / Right Button → Increases) - MOVE Y : You may move the designated zone up or down.
- Ranges from 6 to 94. (Left Button \rightarrow Up / Right Button \rightarrow Down)
- MOVE X : You may move the designated zone left or right. Ranges from 8 to 92. (Left Button → Left / Right Button → Right)
 - (Left Bullon \rightarrow Left / Right Bullon \rightarrow Right)
- SENSITIVITY : You may adjust the level of SENSITIVITY ranging from 0 to 100.

6. 3D-DNR

You may activate DIGITAL NOISE REDUCTION by selecting the level for 3D-DNR from LOW, MIDDLE and HIGH.
 When you deactivate 3D-DNR, noise will not be reduced.

7. PRIVACY

When you turn PRIVACY on, PRIVACY SETUP menu will appear as shown in the picture.
 Operating PRIVACY is very similar to operating MOTION DET.

PRIVACY SETUP		
MASK NUMBER DISPLAY COLOR HEIGHT WIDTH MOVE Y MOVE X EXIT	AREA1 ON BLACK 4	

MASK NUMBER : There are 8 areas you could select to hide.
 DISPLAY : For each designated area, you may turn PRIVACY on or off.
 COLOR : You may select the desired color to hide each designated area from GRAY, WHITE and BLACK.
 HEIGHT : You may increase or decrease heigh of the designated area.
 Ranges from 4 to 100.
 (Left Button → Decreases / Right Button → Increases)
 WIDTH : You may increase or decrease the width of the designated area.
 Ranges from 4 to 100.
 (Left Button → Decreases / Right Button → Increases)

MOVE Y : You may move the designated area up or down. Ranges from 2 to 98. (Left Button
 → Up / Right Button
 → Down)
 MOVE X : You may move the designated area left or right. Ranges from 2 to 98. (Left Button
 → Left / Right Button
 → Right)

8. SPECIAL

- When you get into SPECIAL, SPECIAL menu will appear as shown in the picture.

SPECIAL	
►D-ZOOM D-EFFECT SHARPNESS STABILIZER COLOR SYNC USER TITLE LANGUAGE EXIT	OFF OFF 50 mmml/mmm OFF ON INT ON ↓ ? RET↓

8-1. D-ZOOM (Digital Zoom)

DIGITAL ZOOM	
►ZOOM X PAN 0 TILT 0 EXIT	1.1

- D-ZOOM : Available within the range of X1.1 and X8.0

- PAN : Available to move left ranging from 0 to -100 and right from 0 to 100.
 - TILT : Available to move up ranging from 0 to -100 and down from 0 to 100.