



USER'S MANUAL

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◎ OSD MENU DERCTORY & ICON



EXPOSURE



COLOR



DAY&NIGHT



FUNCTION



MOTION



PRIVACY



SETUP



SYSTEM



EXIT

MAIN MENU	SUB MENU	OPTION MENU						
EXPOSURE	LENS	ELC	E. NSHUTTER	X2, X4, X8, X16, X32, X64, X128, X256, X512, X1024 AUTO, 1/50, 1/100, 1/120K, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/1000000				
			BRIGHT	0 ~ 255				
		DC	E. NSHUTTER	X2, X4, X8, X16, X32, X64, X128, X256, X512, X1024 AUTO, 1/50, 1/100, 1/120K, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/1000000				
			BRIGHT	0 ~ 255				
			DC REF	0 ~ 255				
		HVLC/D-WDR	OFF					
	BLC		BLC MODE	AUTO				
				MANUAL	TOP	0 ~ 15		
					BOTTOM	0 ~ 16		
					LEFT	0 ~ 16		
					RIGHT	0 ~ 15		
			BLC WEIGHT	OFF / LOW / MID / HIGH				
	HLI		HBLC	HBLC LEVEL	OFF / LOW / MID / HIGH			
				TOP	0 ~ 15			
				BOTTOM	0 ~ 16			
				LEFT	0 ~ 16			
				RIGHT	0 ~ 15			
			MODE	ALL DAY / NIGHT				
			SET LEVEL	0 ~ 100				
			GRAY MODE	GRAY / D.GRAY / BLACK				
			MASK SEL	MASK1~4	MODE	OFF / ON		
					TOP	0 ~ 33		
					BOTTOM	0 ~ 34		
					LEFT	0 ~ 33		
					RIGHT	0 ~ 34		
	D-WDR	D-WDR LEVEL	0 ~ 20					
	AGC	OFF / LOW / MID / HIGH						
	3D DNR	AUTO / OFF / LOW / MID / HIGH						
	SENSE-UP	AUTO, OFF, X2, X4, X8, X16, X32, X64, X128, X256, X512, X1024						
COLOR	WB MODE	ATW						
		MANUAL	M. WB R	0 ~ 128				
			M. WB B	0 ~ 128				
		AWC>PUSH						
	R-Y GAIN	0 ~ 255						
	B-Y GAIN	0 ~ 255						

DAY & NIGHT	D&N MODE	AUTO	BURST	OFF / ON
			DAY>NIGHT	0 ~ 30
			NIGHT>DAY	0 ~ 29
			DWELL TIME	0 ~ 15
	C_SUP	0 ~ 100		
A_SUP	0 ~ 100			
FUNCTION	MIRROR	OFF / ON		
	SHARPNESS	0 ~ 30		
	LSC	OFF		
		ON	SET LEVEL	0 ~ 30
MOTION	MOTION	OFF / ON		
	AREA SEL	AREA1~4	MASK MODE	OFF / ON
			TOP	0 ~ 144
			BOTTOM	0 ~ 146
			LEFT	0 ~ 191
			RIGHT	0 ~ 193
	SENSITI.	0 ~ 30		
	DISPLAY	OFF / I CON / TRACE		
	ALARM	OFF / ON		
PRIVACY	MASK1~8	OFF		
		ON	DOT SEL	L_TOP / R_TOP / R_BOT / L_BOT
			DOT XY	
			MOVE XY	
			COLOR SET	BLACK / GRAY / CYAN / MAGENTA / BLUT / GREEN / RED / WHITE
SETUP	TITLE	OFF / ON		
	DPC AUTO	OFF		
		AUTO	WHITE RHR	0 ~ 255
			BLACK THR	0 ~ 255
			DPC LEVEL	0 ~ 255
	DPC MANUAL	OFF		
		MANUAL	DPC LEVEL	0 ~ 30
			DPC RUN	
	OLPF	FILTER1~2		
MONITOR	CRT / LCD			
GAMMA	0.45 / 0.6 / 1.0			
	USER	LEVEL	0.2 ~ 1.0	
SYSTEM	CAMERA ID	0 ~ 255		
	COMMUNI.	OFF		
		ON	PROTOCOL	PELCO-D
			BAUDRATE	2400 / 4800 / 9600 / 19200
	LANGUAGE	ENGLISH, CHINA		
	OSD COLOR	BLUE / GRAY / PURPLE / YELLOW / MAGENTA / RED / CYAN / GREEN		

◎ OSD Set-up

Set Up

Menu items can be selected by using the OSD buttons on the camera. During the camera operation, status information can be displayed on the screen.

A OSD button is placed near the camera module for navigating and changing the menu setting.

In order to enter the main menu, press the button which results in executing "RETURN" command. To choose the sub-menus, please move the button to UP or DOWN position.

If a symbol is present, enter particular sub-menu by pressing the RETURN.

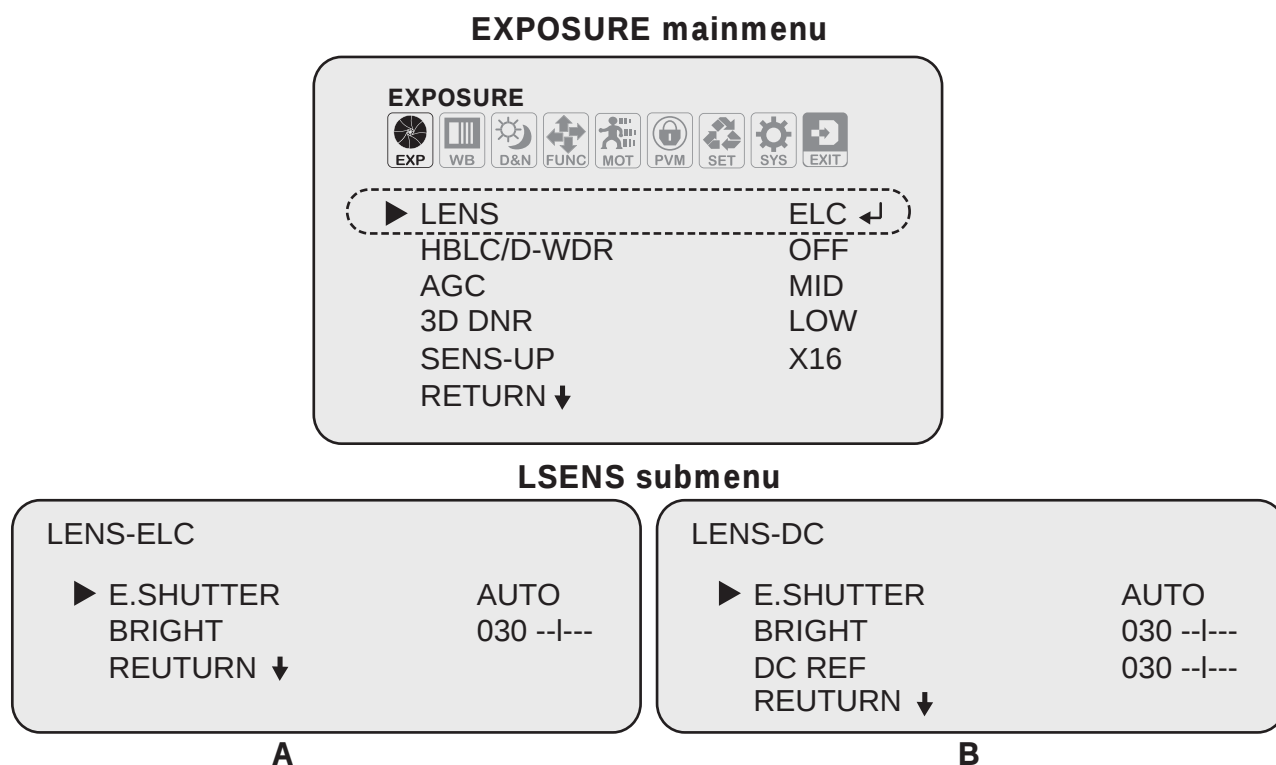
To change the parameters, push the button to LEFT or RIGHT. In order to leave the menu, select EXIT and press RETURN.

In order to enter the main menu, press the RETURN. The following main menu is displayed on the screen.

1. EXPOSURE

This submenu allows for choosing and changing the settings of the parameters connected with AE and controlling the iris.

1-1. LENS



A. ELC : Manual settings of the lens operation mode.

B. DC : Automatic lens mode.

E.SHUTTER : Selection of shutter mode. Selection of shutter mode in the range X2~X1024, Auto, 1/50~1/100,000.

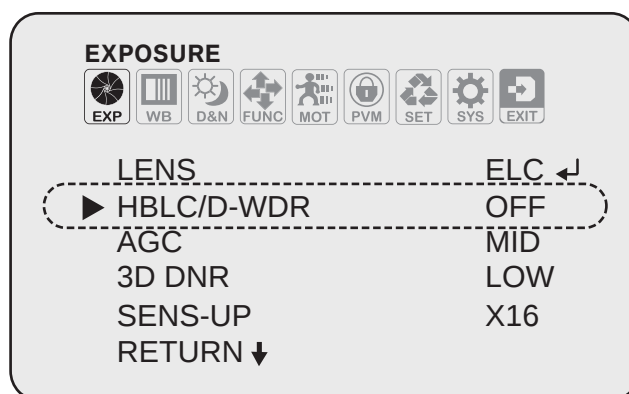
BRIGHT : Sets brightness level in the range from 0 to 255.

DC REF(DC) : Sets DC LENS level in the range from 0 to 255.

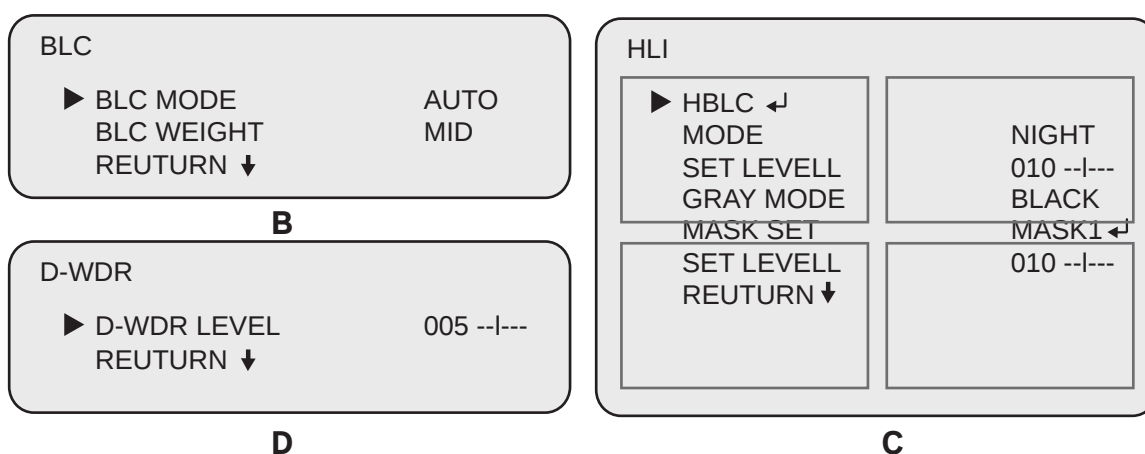
RETURN : Pressing RETURN moves to a higher-level menu.

1-2. HBLC/D-WDR

EXPOSURE mainmenu



HBLC/D-WDR submenu



A. OFF

B. BLC : BLC function allows for enhancing visibility of the objects located in the foreground, surrounded by strongly illuminated background.

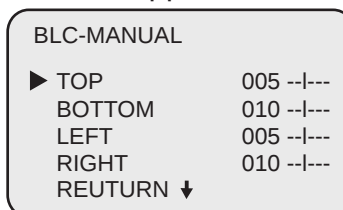
After pressing SET button in this mode submenu depicted below appears.

BLC MODE : Selection of AUTO, MANUAL mode.

MANUAL mode, it allows setting of size and rocation of the area where the BLC function is active.

BLC WEIGHT : Selection of BLC level.(OFF / LOW /MID / HIGH)

RETURN : Pressing RETURN moves to a higher-level menu.



C. HLI : High light masking function. It allows for enhancing visibility of the objects located near the strong, point light source. If a strong, point light source appears on the screen, function will mask it allowing for effective observation of the scene itself (this function is best used to, for example, observe licence-plates of the cars).

HBLC : Selection of OFF, LOW, MID, HIGH level.

Furthermore, it allows setting of size and rocation of the area where the BLC function is active.

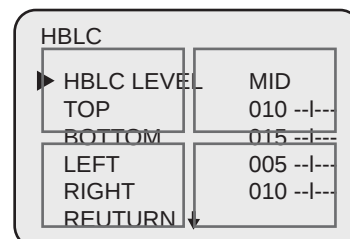
MODE : Selection of NIGHT, ALL DAY mode.

SET LEVEL : Selection of SET LEVEL value manually in the range 0~100

GRAY MODE : Selection of HLC background color.

MASK SEL : Selection of MASK1~4.

RETURN : Pressing RETURN moves to a higher-level menu.



D. D-WDR : Automatic lens mode.

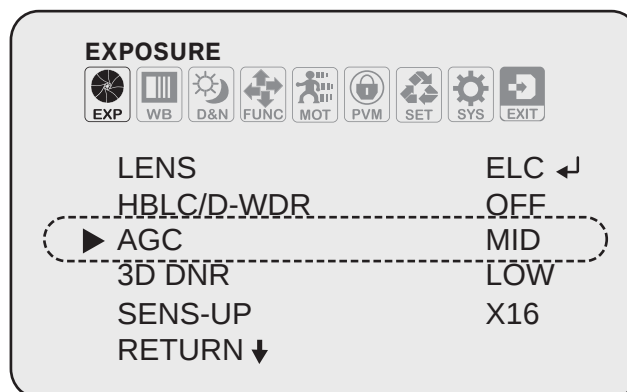
D. D-WDR : This function allows to effectively observe the scene with different illumination levels.

D-WDR LEVEL : Selection of D-WDR LEVEL value manually in the range 0~20.

RETURN : Pressing RETURN moves to a higher-level menu.

1-3. AGC

EXPOSURE mainmenu

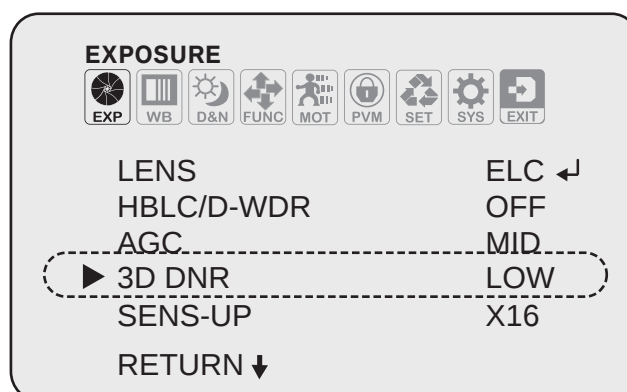


A. AGC : The AGC (Auto Gain Control) menu is used to set the AGC level of the camera.

When the AGC is active, the camera automatically increases the sensitivity by amplifying the Video signal when the strength of the signal falls below the normal value.
Selection of AGC level.(OFF / LOW / MID / HIGH)

1-4. 3D DNR

EXPOSURE mainmenu

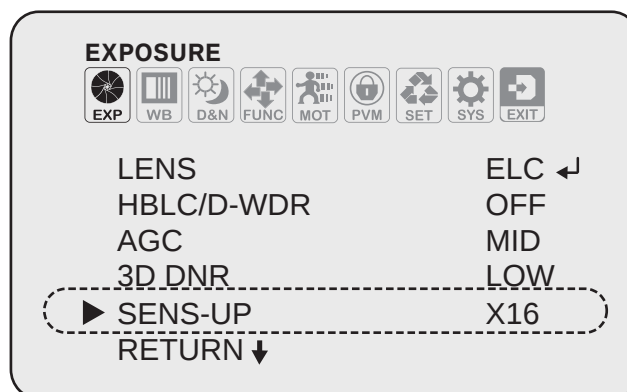


A. 3D DNR : 3D Digital Noise Reduction shows better picture by reducing noise from the screen, in low light condition.

Selection of 3D DNR level.(OFF / LOW / MID / HIGH / AUTO)

1-4. SENS-UP

EXPOSURE mainmenu



A. SENS-UP : This allows clear picture even in low light condition.

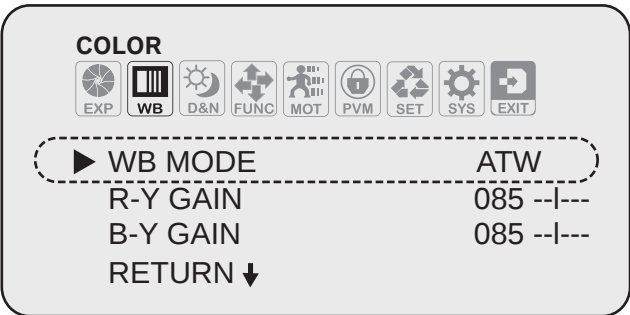
Selection of SENS-UP level.(OFF / AUTO / X2~X1024)

2. COLOR

This feature allows for setting appropriate color in various color temperature conditions.

2-1. WB MODE

COLOR mainmenu



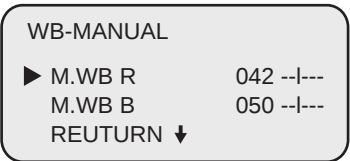
A. ATW : Auto tracking white Balance.

B. MANUAL : Manual White Balance.

M.WB R : Selection of SET LEVEL value manually in the range 0~128.

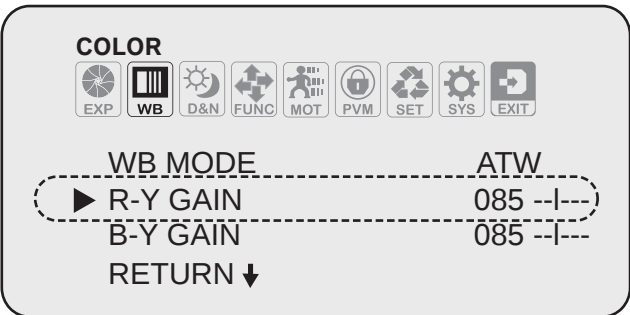
M.WB B : Selection of SET LEVEL value manually in the range 0~128.

C. AWC>PUSH↓ : Manual tracking White Balance
(Green Screen will be showing during recognizing)



2-2. R-Y GAIN

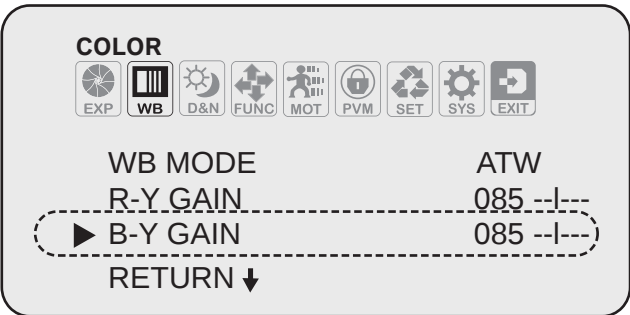
COLOR mainmenu



A. R-Y GAIN : Selection of Red color value manually in the range 0~255.

2-3. B-Y GAIN

COLOR mainmenu



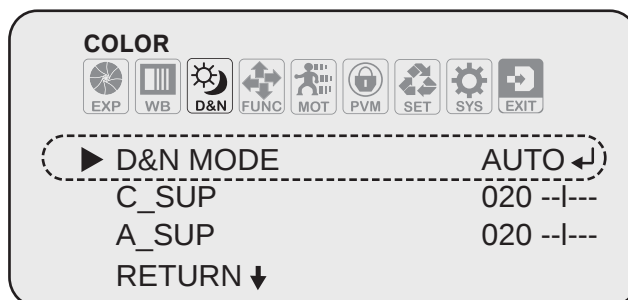
A. B-Y GAIN : Selection of Blue color value manually in the range 0~255.

3. DAY & NIGHT

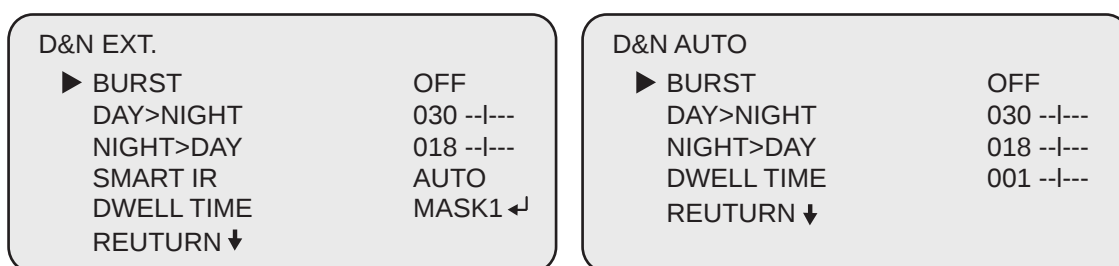
This feature allows for setting appropriate color in various color temperature conditions :

3-1. D&N MODE

DAY&NIGHT mainmenu



D&N MODE submenu

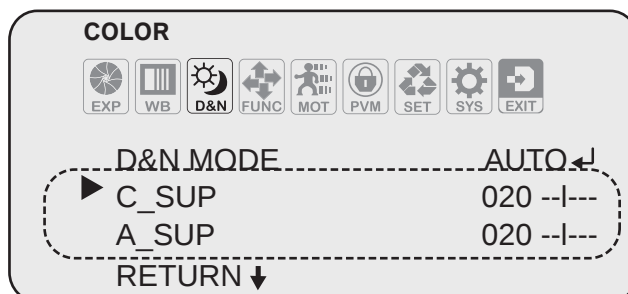


C

D

- A. COLOR : It will be fixed to DAY mode regardless of the ambient conditions.
B. B&W : It will be fixed to Black-and-White mode regardless of the ambient conditions.
C. EXT. : This enables an auto switch between DAY and NIGHT mode using the interface with the external sensor.
D. AUTO : The camera will automatically switch between DAY and NIGHT mode, according to the lighting condition.
- BURST : Selection of OFF, ON
DAY>NIGHT : Selection of DAY>NIGHT value manually in the range 0~30.
NIGHT>DAY : Selection of DAY>NIGHT value manually in the range 0~29.
SMART IR(D&N EXT.) : Selection of OFF, AUTO
DWELL TIME : Selection of DAY>NIGHT value manually in the range 0~15.
RETURN : Pressing RETURN moves to a higher-level menu.

DAY&NIGHT mainmenu



3-2. C_SUP

- A. C_SUP : Selection of C_SUP value manually in the range 0~100.

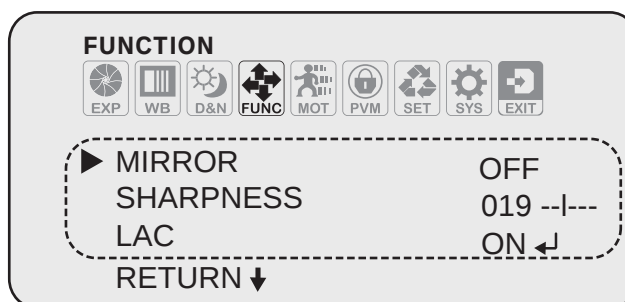
3-3. A_SUP

- A. A_SUP : Selection of A_SUP value manually in the range 0~100.

4. FUNCTION

This feature allows for setting appropriate color in various color temperature conditions :

FUNCTION mainmenu



4-1. MIRROR

A. MIRROR : Selection of OFF, ON

4-2. SHARPNESS

A. SHARPNESS : Selection of SHARPNESS value manually in the range 0~30.

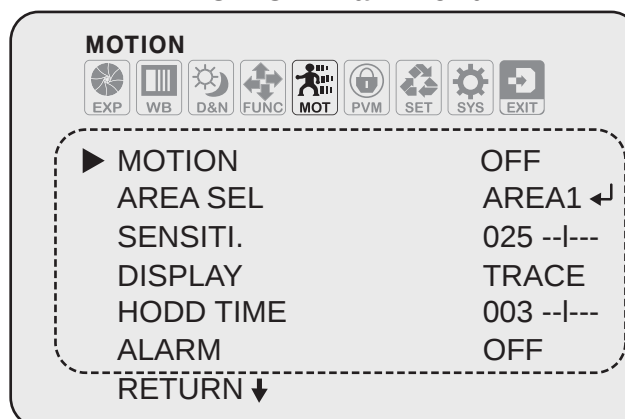
4-3. LAC

A.LAC : Selection of OFF,ON

5. MOTION

The MOTION menu is used to adjust the strength of the AGC level for a control of the camera motion.

MOTION mainmenu



5-1. MOTION

A. MOTION : Selection of OFF, ON

5-2. AREA SEL

A. AREA SEL : Selection of AREA1~4

MASK MODE : Selection of OFF, ON

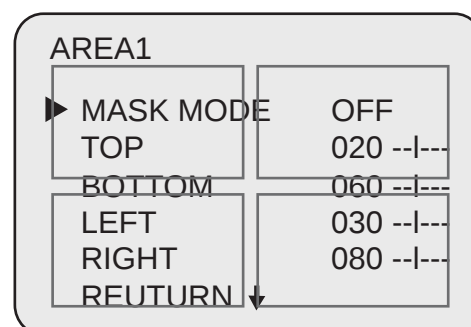
TOP : Selection of TOP value manually in the area 0~144

BOTTOM : Selection of BOTTOM value manually in the area 0~146

LEFT : Selection of LEFT value manually in the area 0~146

RIGHT : Selection of RIGHT value manually in the area 0~146

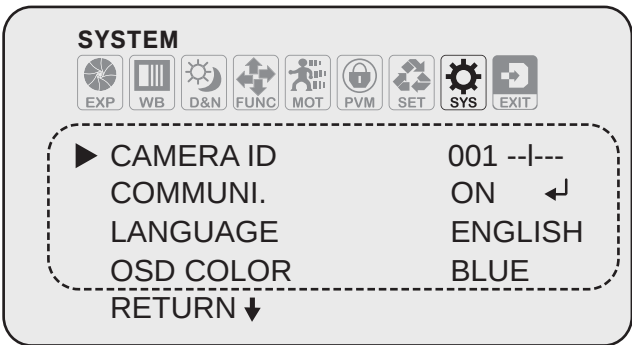
RETURN : Pressing RETURN moves to a higher-level menu.



8. SYSTEM

The MOTION menu is used to adjust the strength of the AGC level for a control of the camera motion.

SYSTEM mainmenu



8-1. CAMERA ID

A. CAMERA ID : Selection of CAMERA ID value manually in the area 0~255.

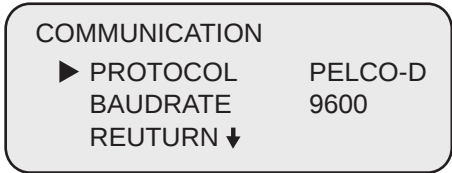
8-2. COMMUNI.

A. COMMUNI. : Selection of OFF, ON

PROTOCOL : PELCO-D

BAUDRATE : Selection of 2400,4800, 9600, 19200

RETURN : Pressing RETURN moves to a higher-level menu.



8-3. LANGUAGE

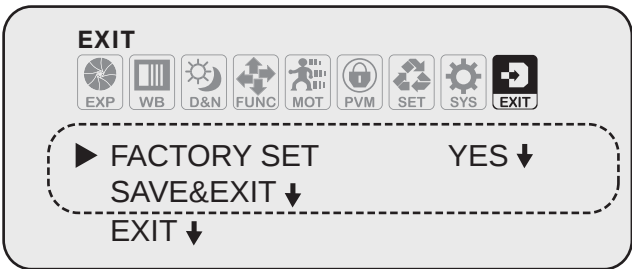
A. LANGUAGE : Selection of ENGLISH, CHINA

8-4. OSD COLOR

A. OSD COLOR : Selection of BLACK, FRAY, CYAN, MAGENTA, BLUE, GREEN, RED, WHITE

9. EXIT

EXIT mainmenu



9-1. FACTORY SET

A. FACTORY SET : Selection of FACTROY SET DEFOULT

9-2. SAVE&EXIT

A. SAVE&EXIT : Setting SAVE

9-3. EXIT

A. EXIT : NO SAME

5-3. SENSITI.

A. SENSITI. : Selection of SENSITI. value manually in the range 0~30.

5-4. DISPAY

A. DISPLAY : Selection of OFF, ICON,TRACE

5-5. HOLD TIME

A. HOLD TIME : Selection of HOLD TIME value manually in the sec 0~15.

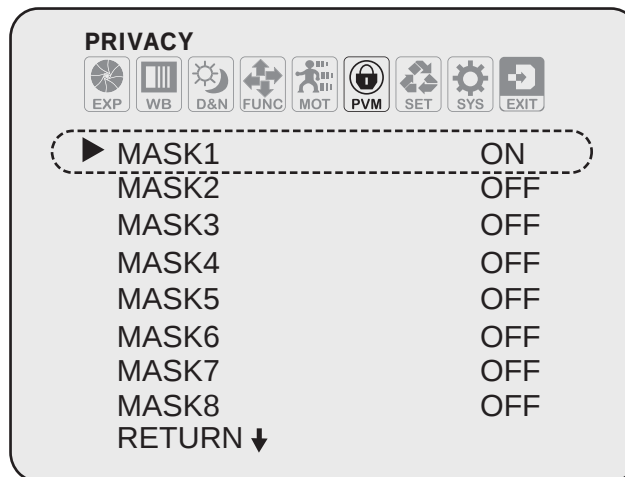
5-6. ALARM

A. ALARM : The camera will sound an alert if it detect the appropriate motion.
Selection of OFF, ON

6. PRIVACY

This PRIVACY function will protect your privacy by screening the privacy area that you have specified during monitoring

PRIVACY mainmenu



6-1. MASK1~8

A. OFF

B. ON :

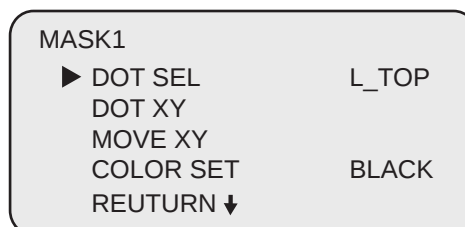
DOT SEL : Selection of L_TOP, L_BOT, R_TOP, R_BOT

DOT XY

MOVE XY

COLOR SET : Selection of BLACK, FRAY, CYAN, MAGENTA, BLUE, GREEN, RED, WHITE

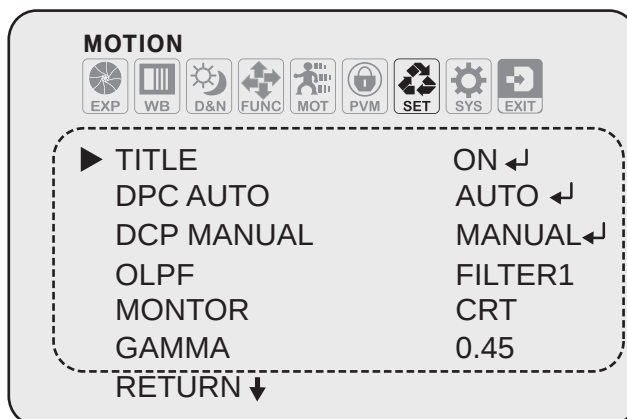
RETURN : Pressing RETURN moves to a higher-level menu.



7. SETUP

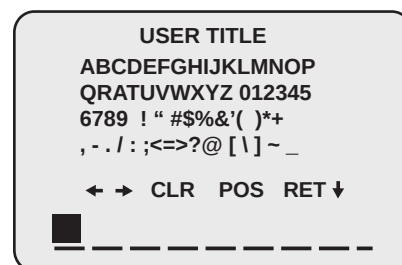
The MOTION menu is used to adjust the strength of the AGC level for a control of the camera motion.

SETUP mainmenu



7-1. TITLE

A. TITLE : Selection of OFF, ON



7-2. DPC AUOT

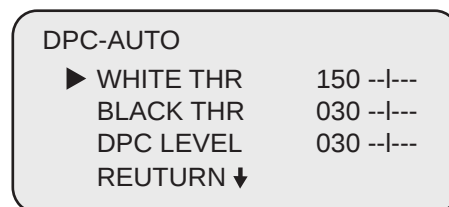
A. DPC AUTO : Selection of OFF, AUTO

WHITE THR : Selection of WHITE THR value manually in the area 0~255.

BLACK THR : Selection of BLACK THR value manually in the area 0~255.

DPC LEVEL : Selection of BLACK THR value manually in the area 0~255.

RETURN : Pressing RETURN moves to a higher-level menu.



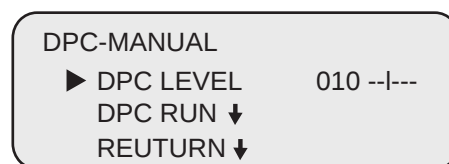
7-3. DPC MANUAL

A. DPC MANUAL : Selection of OFF, MANUAL

DPC LEVEL : Selection of WHITE THR value manually in the area 0~30.

DPC RUN : AUTO DECTION

RETURN : Pressing RETURN moves to a higher-level menu.



7-4. OLPF

A. OLPF : Selection of FILTER1, FILTER2

7-5. MONTOR

A. MONTOR : Selection of CRT, LED

7-6. GAMMA

A. GAMMA : Selection of 0.45, 0.6, 1.0, USER