



BC1080FIR24

User Manual

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OSD MENU DIRECTORY & 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 adjusted 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 OSD button.

To choose the sub-menus, please move the button to UP or DOWN position.

If the icon of each symbol is present, enter particular sub-menu by pressing the OSD button.

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

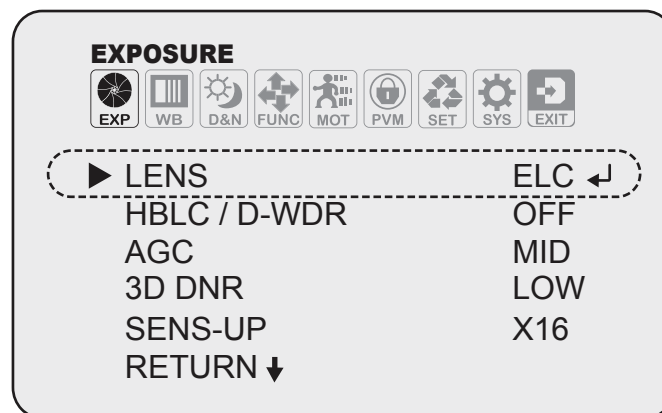
In order to enter the main menu, press the OSD button. The following main menu is displayed on the screen.

1. EXPOSURE

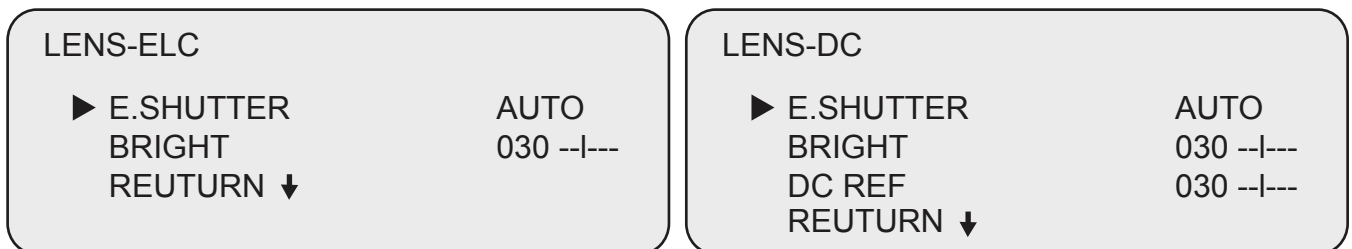
This submenu allows for choosing and changing the settings of the parameters connected with AE and controlling the iris.

1-1. LENS

EXPOSURE



LENS submenu



A

B

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.

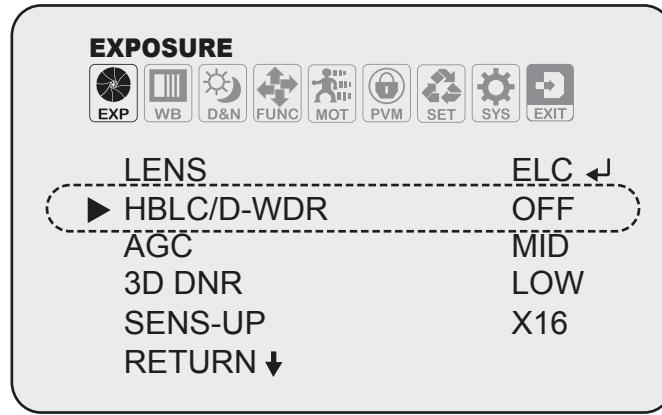
BRIGHT : Sets brightness level in the range from 0 to 255.

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



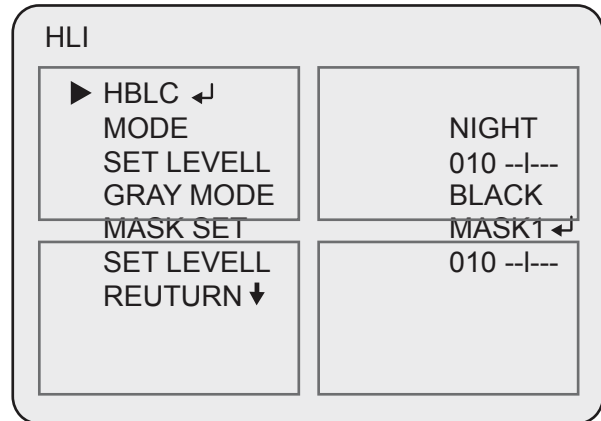
HBLC/D-WDR sub-menu



B



D



C

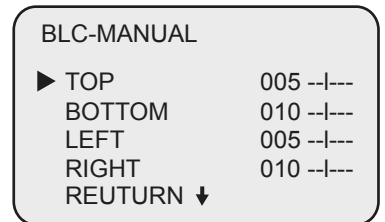
A. OFF

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. HLM : 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).

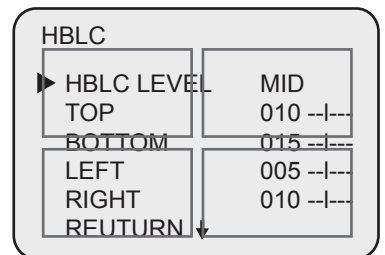
HBLC : Selection of OFF, LOW, MID, HIGH level.
Furthermore, it allows setting of size and rocation of the area where the BLC function is active.

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.



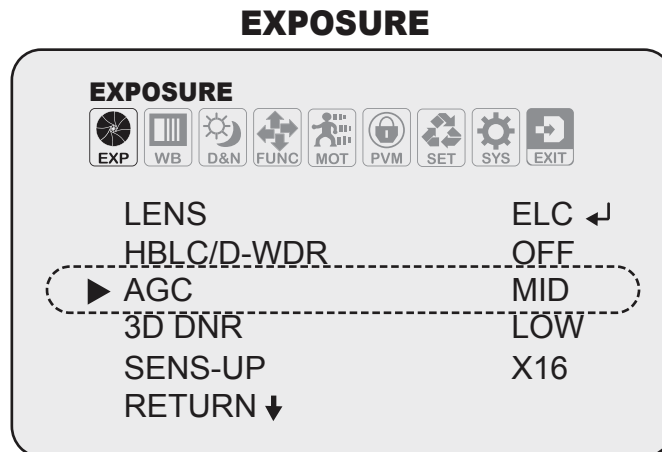
D. D-WDR : Automatic lens mode.

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.

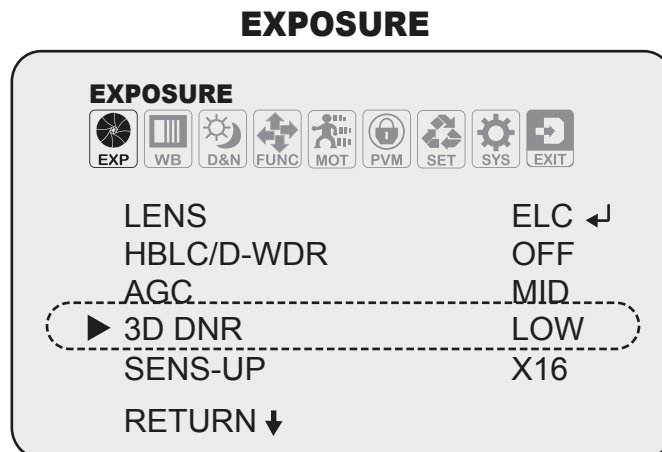
RETURN : Pressing RETURN moves to a higher-level menu.

1-3. AGC



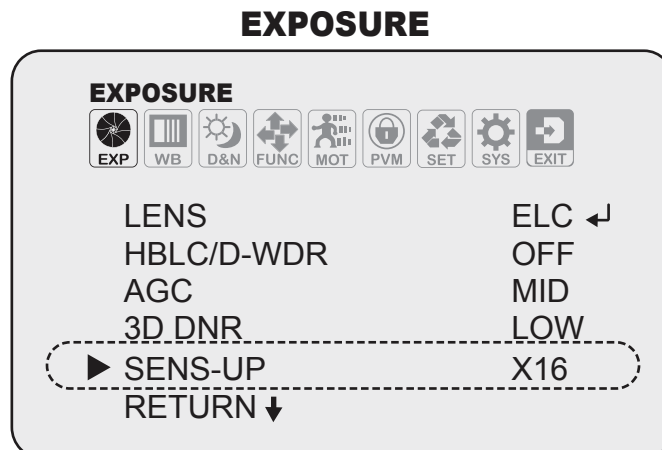
A. AGC : The AGC (Auto Gain Control) menu is used to set the AGC level of the camera. When the AGC is active, the camera automatically increases the sensitivity by amplifying the Video signal when the strength of the signal falls below the normal value. Selection of AGC level.(OFF / LOW /MID / HIGH)

1-4. 3D DNR



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

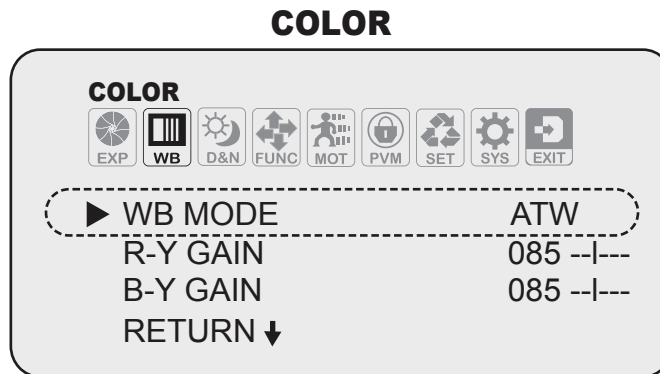


A. SENS-UP : This allows clear picture even in low light condition. Selection of SENS-UP level.(OFF / AUTO / X2~X1024)

2. COLOR

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

2-1. WB MODE



A. ATW : Auto tracking white Balance.

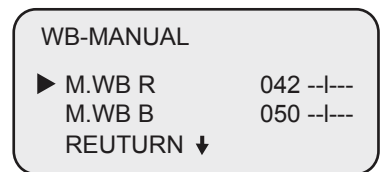
B. MANUAL : Manual White Balance.

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

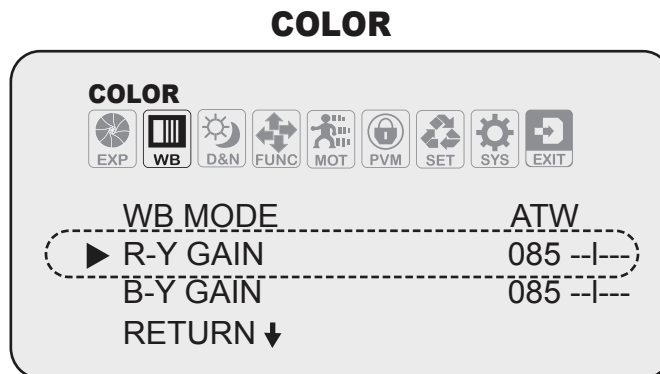
M.WB B : Selection of SET LEVEL value manually in the range 0~128.

C. AWC>PUSH↓ : Manual tracking White Balance

(Green Screen will be showing during recognizing)

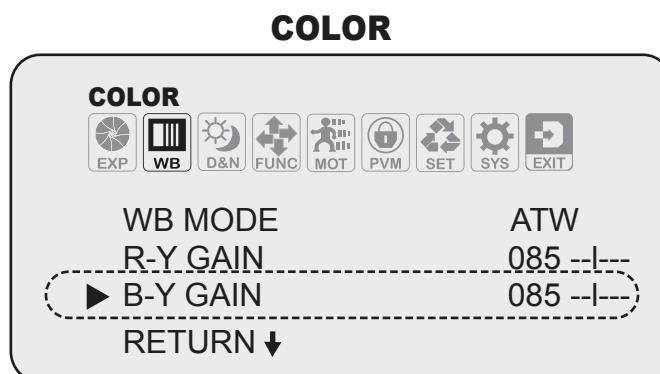


2-2. R-Y GAIN



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

2-3. B-Y GAIN

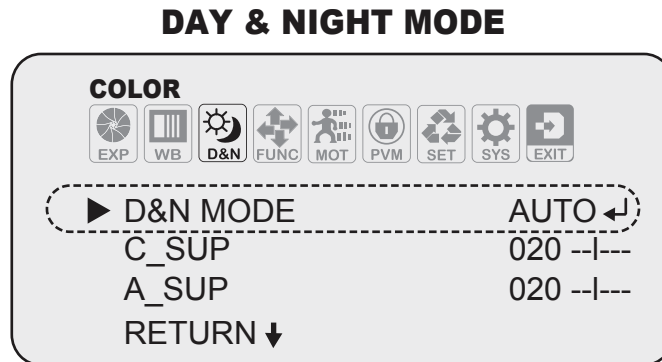


A. B-Y GAIN : Selection of Blue color value manually in the range 0~255.

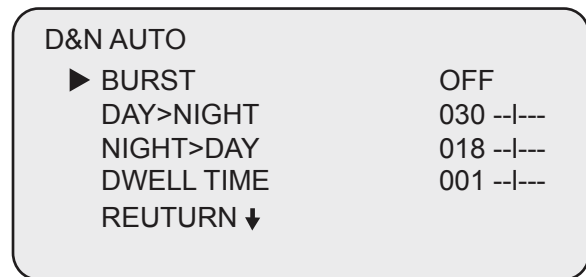
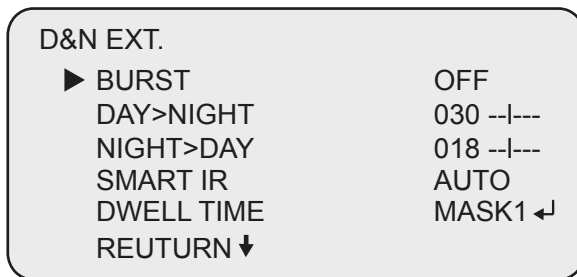
3. DAY & NIGHT

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

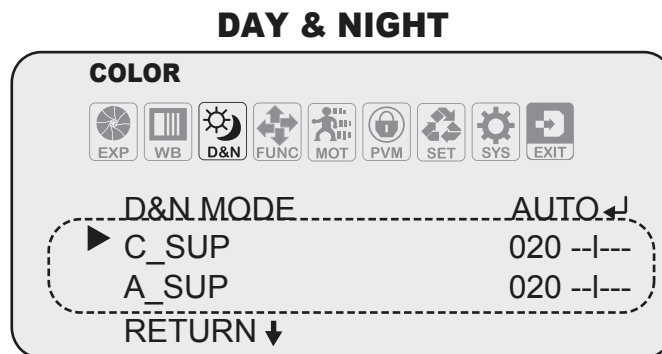
3-1. D&N MODE



D&N MODE submenu



- 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.



3-2. C_SUP(Chroma Suppress)

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

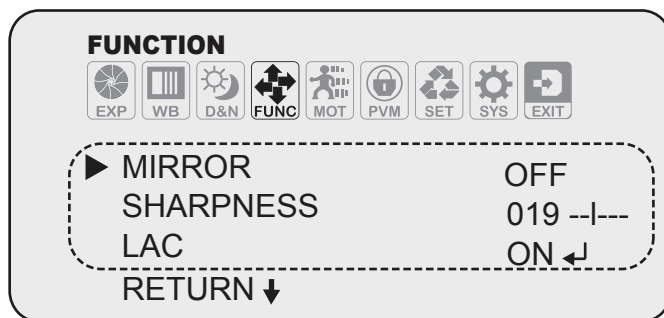
3-3. A_SUP(AGC Suppress)

- 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 Menu



4-1. MIRROR

A. MIRROR : Selection of OFF, ON

4-2. SHARPNESS

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

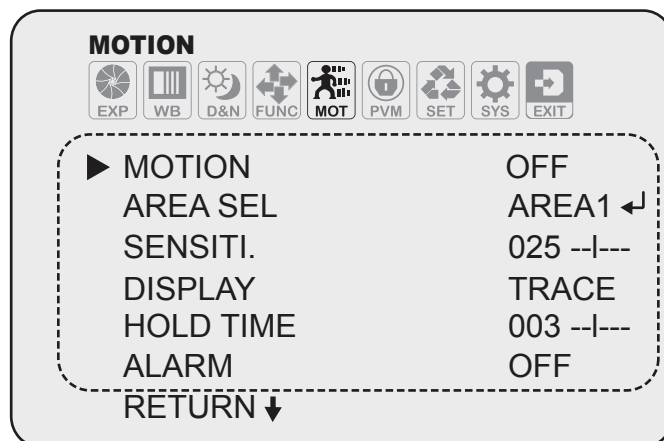
4-3. LSC(Lens Shading Compensation)

A.LSC : 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 menu



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

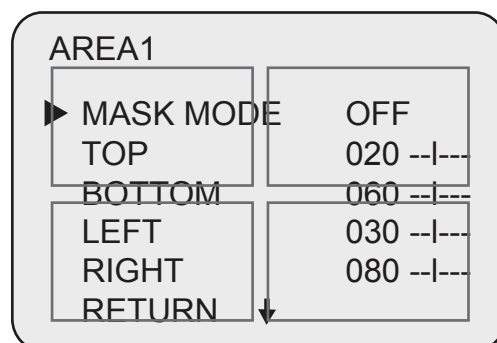
TOP : Selection of TOP value manually in the area 0~144

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.



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.

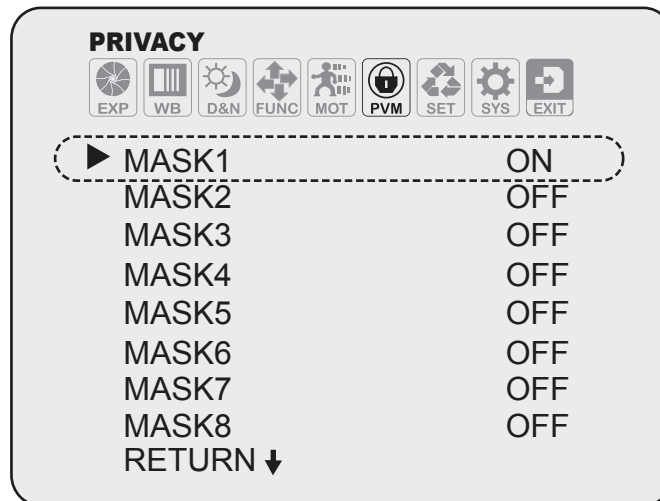
5-6. ALARM

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 MENU



6-1. MASK1~8

A. OFF

B. ON :

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

DOT XY

MOVE XY

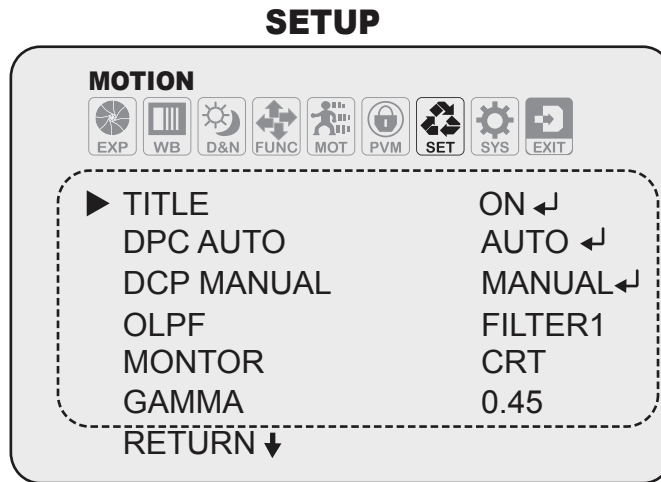
COLOR SET : Selection of BLACK, GRAY, CYAN, MAGENTA, BLUE, GREEN, RED, WHITE

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.



7-1. TITLE

A. TITLE : Selection of OFF, ON



7-2. DPC AUTO(Defected Pixel Compensation)

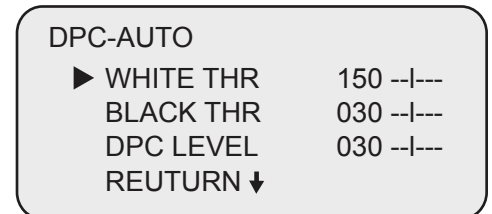
A. DPC AUTO : Selection of OFF, AUTO

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.



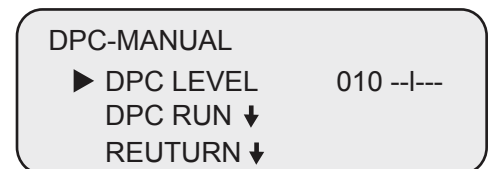
7-3. DPC MANUAL

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
▶ (Please do not adjust this menu)

7-5. MONTOR

A. MONTOR : Selection of CRT, LCD

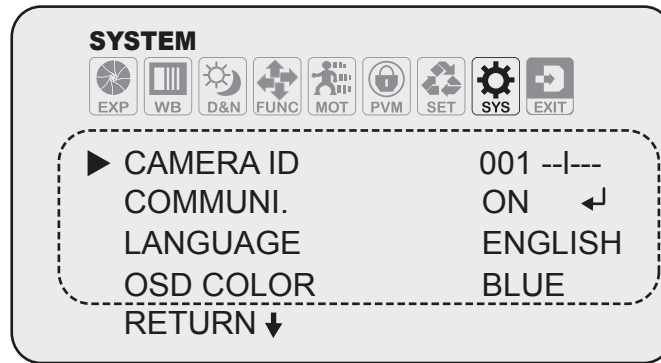
7-6. GAMMA

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

8. SYSTEM

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

SYSTEM MENU



8-1. CAMERA ID

A. CAMERA ID : CAMERA ID can be selected manually between 1~255.

8-2. COMMUNI. ▶ (This Function is not used for this units)

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.

COMMUNICATION

▶ PROTOCOL PELCO-D
BAUDRATE 9600
REUTURN ↓

8-3. LANGUAGE

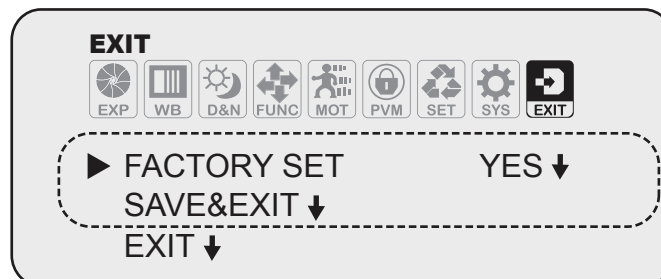
A. LANGUAGE : Selection of ENGLISH, CHINA

8-4. OSD COLOR

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

9. EXIT

EXIT MENU



9-1. FACTORY SET

A. FACTORY SET : Reset to Factory DEFAULT

9-2. SAVE&EXIT

A. SAVE&EXIT : Setting SAVE

9-3. EXIT

A. EXIT : Exit without SAVING

