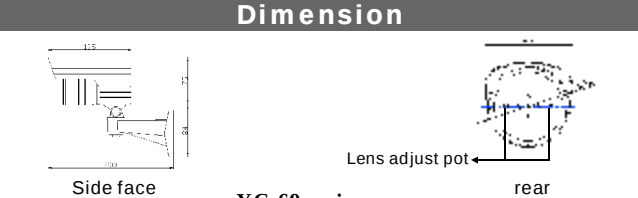


All-weather Waterproof IR Camera

operating instruction



About this manual
Before installing and using the camera, please read this manual carefully.
Be sure to keep it handy for later reference.



Configuration of the Menu	
MAIN MENU	LENS (see page 7)
	*DC *Manual
	Shutter (see page 7)
	BLC (see page 8)
	*ATW *AWB *Manual
	AGC (see page 9)
	*ON *OFF
	White Bal (see page 10)
	*ATW *AWB *Fixed *Manual
	Function (See page 11)
	*Camera ID *Mirror *Day Night
	*Motion *Privacy *Gamma *Languge
	Adjust (see page 14)
	*Contrast *Sharpness *CB-gain *CR-gain
Exit	

Operating your camera

Setting Up The Menu
Use the five Setup Menu buttons on the rear of the camera.

1. Press the Menu button to access the setup mode.Setup menu is displayed on the monitor screen.

SETUP	
→ LENS	DC
SHUTTER	Auto
BLC	ON
AGC	ON
WHITE BAL.	ATW
FUNCTION	
ADJUST	
EXIT	

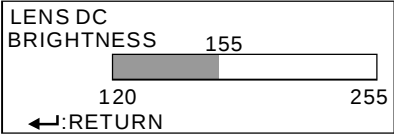
2. Select the desired the feature using the Up or Down button
3. Change the status of the selected feature using the Left or Right button.

LENS
You can set the type of the lens and control the brightness of the screen.

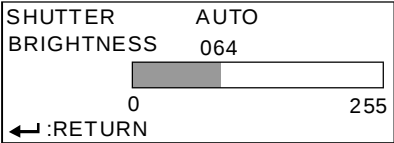
1. Press the Menu button to display the setup menu and move the arrow indicator to LENS using UP or DOWN button.
2. Set LENS to desired mode using LEFT or RIGHT button.
 - * You can select DC or manual.

⌚ **MANUAL:** when using manual lens

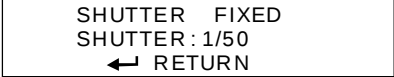
⌚ **DC:** when using DC drive auto iris lens. If select DC mode, you can adjust the desired level(brightness).



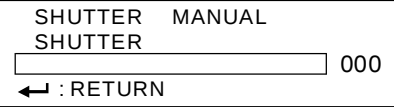
SHUTTER:
⌚ **AUTO:** Brightness 0-255, default is 064.(Enabled when choose manual lens)



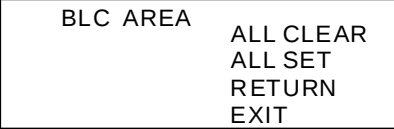
- ⌚ **FLK:** flickness mode 1/120 per se cretary.
- ⌚ **FIXED:** 1/50,1/120(FLK),1/250,1/500,1/2000,1/5000, 1/10000, 1/100000 Default 1/50



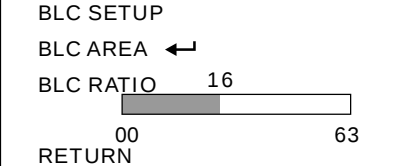
- ⌚ **MANUAL:** User can define shutter between 1/50 (000)~1/100000(255). Default 000(1/50)



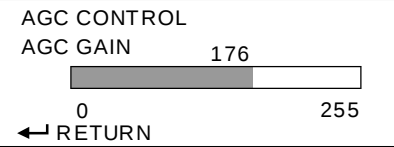
- ⌚ **BLC(Blacklight Compensation)**
- ⌚ **BLC ON:** When the image is in front of strong background lighting, your camera allows you to get the clear image.There are 4 modes on BLC is ON.
- ⌚ **ALL CLEAR:** Cancel BLC function on all selected areas.
- ⌚ **ALL SET:** Set all selected areas with BLC.
- ⌚ **RETURN:** Return to BLC area selection.
- ⌚ **EXIT:** Exit to main menu.



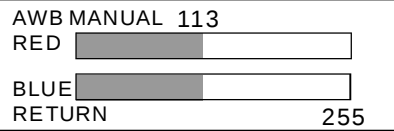
You can set BLC RATIO level from 00 to 63. Default: 16



- BLC OFF:** Deactivation
- AGC**
- ⌚ **AGC ON:** To get brighter picture. You can set AGC level from 000(0dB)~255(40dB). Default: 176(27.5dB)
 - ⌚ **AGC OFF:** Deactivation



- WHITE BAL.**
Your camera provides 3 control modes, from ATW, AWB and manul . You can select the most suitable one. You can adjust the white balance.
1. Press the Menu button to display the setup menu and move the arrow indicator to LENS using UP or DOWN button.
 2. Set desired level using LEFT or RIGHT button.
- ⌚ **ATW** - Auto Tracking White Balance: When color temperature is 2400-12000K, select this mode. (Ex. A fluorescent lamp, outdoor)
 - ⌚ **AWB** - Auto White balance Control: The white balance is automatically adjusted in a specific environment.
 - ⌚ **MANUAL** - To fine adjust, select the manual mode. You can increase or decrease the value from 000 to 255. Default: red 113; blue 255..



Notes
Proper White Balance may not be obtained under the following conditions, in these case select the AWC mode.
When the scene contains mostly high color temperature object, such as a blue sky or sunset. When the scene is dim.
If your camera faces fluorescent lamp directly or is installed in the place of the changing illumination.

Function

FUNCTION

RETURN

CAMERA ID

MIRROR

DAY NIGHT

MOTION

PRIVACY

GAMMA

LANGUE

RESET

OFF

COLOR

OFF

OFF

OFF

0.45

ENGLISH

←

- RETURN:** Go back to main menu.
- CAMERA ID**
You can enter up to 12 characters.
- ① Move the cursor to the character-enter location by using the Left or Right button.
 - ② Select the desired character or number by using Up or Down button.
 - ③ Press the Menu button to confirm the blinking character. The first character is saved and the cursor in the bottom of the screen moves to the next position.
 - ④ Repeats steps ① ② and ③ until you create the full name you want.
 - ⑤ Default: NULL

ID POSITION

- Select the position at which the camera ID will be located on the screen.
- ① Press Up/Down/Left/Right button to select the position.
 - ② Press Menu button to confirm the position.

- Mirror**
☞ **Mirror ON:** picture on screen will be left/right mirror.
☞ **Mirror OFF:** Deactivation
- DAY/NIGHT**
☞ **B/W** - Black and White mode.
☞ **Color** - Color mode.
☞ **AUTO** - Generally color mode, B/W mode in low luminance.
* If you choose AUTO, you can adjust the desired Day/Night Level.
☞ **DELAY:** the delay time between color mode switching to B/W mode. Default: 01.
☞ **START LEVEL:** the start level of color mode switching to B/W mode from 000 to 255. Default: 195
☞ **END LEVEL:** the end level of B/W mode switching to color mode from 000 to 255. Default: 151

DAY NIGHT

AUTO

01

DELAY

START LEVEL

END LEVEL

195

RETURN

151

MOTION

- AREA,** default to set 12 block areas on screen center. Press Menu button and hold for 2 seconds, four menu items will show:
- ☞ **ALL CLEAR:** Clear motion detection for all block area;
 - ☞ **ALL SET:** Set motion detection for all block area.
 - ☞ **RETURN:** turn back to MOTION setup mode.
 - ☞ **EXIT:** exit to main main menu.
- MOTION TH. : 001(max) -255(min), default is 037
- MOTION TRACE ON: moving object in the motion detection area will be marked with water mark.
- MOTION TRACE OFF: Deactivation

MOTION

MOTION AREA

MOTION TH.

037

000

255

MOTION TRACE OFF

RETURN

MOTION AREA

ALL CLEAR

ALL SET

RETURN

PRIVACY

- ☞ **PRIVACY ON:** a square area on screen will be covered.
 - ① **AREA SEL.**, four area block can be choosed (AREA0 to AREA-3)
 - ② **AREA STATE ON/OFF**
 - ③ **LEFT:** 000-255, default is 137
 - ④ **RIGHT** 000-255, default is 185
 - ⑤ **TOP** 000-255, default is 029
 - ⑥ **BOTTOM:** 000-255, default is 084
 - ⑦ **COLOR:** 000-015 default is 008
- ☞ **PRIVACY OFF:** Deactivation

PRIVACY

AREA SEL

AREA0

AREA STATE ON/OFF

ON

LEFT

137

RIGHT

185

TOP

029

BOTTOM

084

COLOR

008

RETURN

- GAMMA:** set gamma parameter, from /0.05 -1. Default: 0.45.
- LANGUAGE:** English, Simplified Chinese, Big5 Chinese , Japanese and Korea. Default: English.
- RESET:** YES / NO. Reset all parameters to default.
- ADJUST**

- User can adjust some parameters:
- ☞ **Contrast:** 000-255, Default: 092,
 - ☞ **Sharpness:** 00-31, Default: 16,
 - ☞ **CB_gain:** A adjust blue gain , 000-255, Default: 160
 - ☞ **CR_gain:** A adjust red gain, 000-255, Default: 160

ADJUST

CONTRAST

092

SHARPNESS

16

CB-GAIN

160

CR-GAIN

160

RETURN

EXIT: Quit the setup menu.

Available Models										
Model No	Sensor	Resolut-ion	Menu	Privacy	Motion	Adjust	BLC	Mirror	AES	
YC-69P	1/4Sharp	420 TVL	NO							Auto
YC-69PSQ	1/4Sony									
YC-69PQ	1/3Sony									
YC-69PH		480 TVL								
YC-69PH1		450 TVL								
YC-69PH2		540 TVL								
YC-69M1		450 TVL								
YC-69M2	540 TVL	Yes	Yes	Yes	Yes	Yes	Yes	Menu Option		

SPECIFICATIONS	
TV system	NTSC/PAL
Sync mode	Internal
S/N Ratio	>60dB
Minimum illumination	0Lux (IR ON)
AGC	0~40dB
Day/night	YES
White Balance	ATW/AWB
Power Supply Voltage	DC12V
Power current	400mA
Lens	A: 3.5~8mm MI LENS
	B: 16mm FIXED LENS
	C: 6~15mm FIXED LENS
IR range	40M
Operation Humidity	-10°C ~ 50°C (Withing85%RH)
Size(mm)	152mm * 88mm * 86mm
Weight(g)	1271.2g