

LILIN

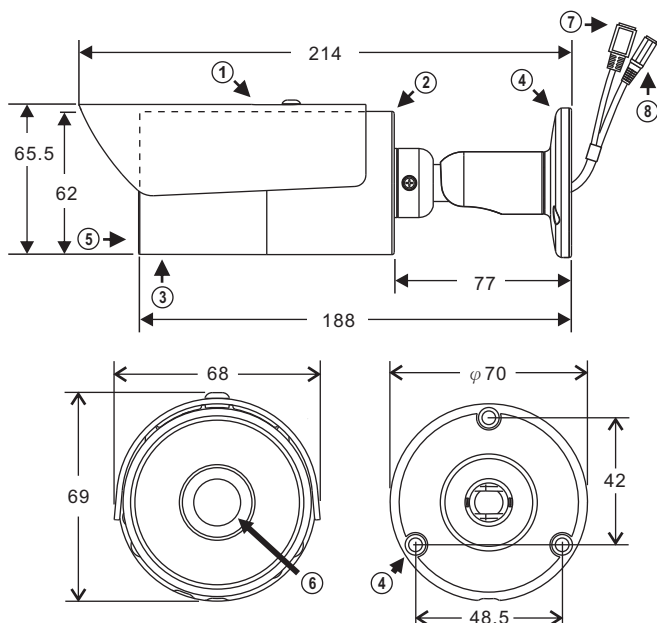
AHD AF IR CAMERA

66-AHD842AFCSE-2



Instruction Manual

Part Description & Dimension

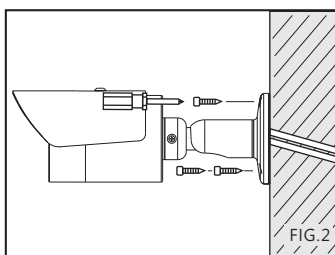
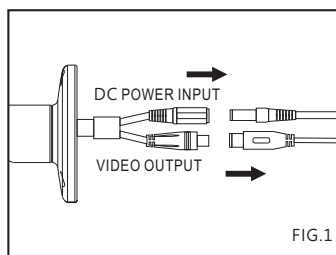


Unit: mm

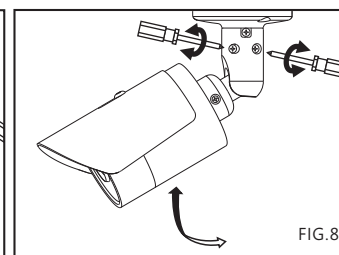
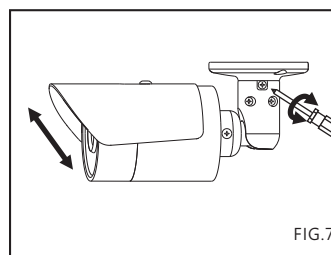
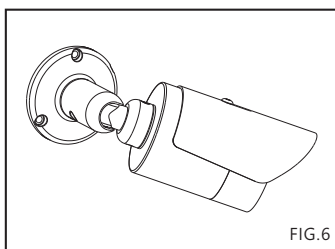
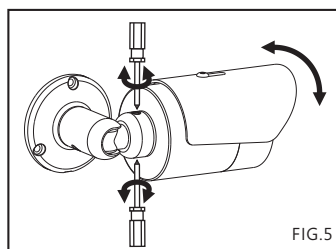
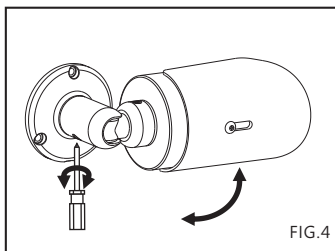
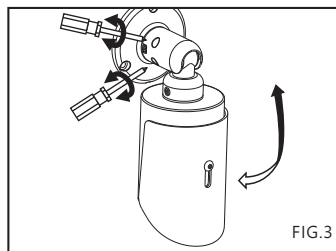
- | | |
|----------------|------------------------------------|
| ① SUN SHIELD | ⑤ WINDOWS |
| ② MAIN BODY | ⑥ LENS |
| ③ FRONT COVER | ⑦ VIDEO OUTPUT JACK |
| ④ BRACKET BASE | ⑧ DC POWER INPUT JACK (DC12V ±10%) |

Installation

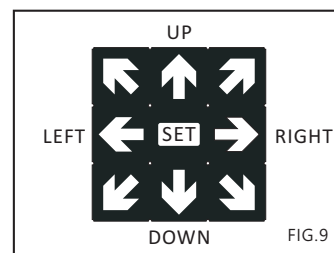
1. Remove the camera from the box first. Connect the video cable and power cable to the video output jack and DC power input jack, respectively (FIG.1), and then secure the camera to the wall (FIG.2).



2. Adjust the five adjustment screws to move the camera to the desired angle, and then tighten the adjustment screws (FIG. 3-FIG.8).



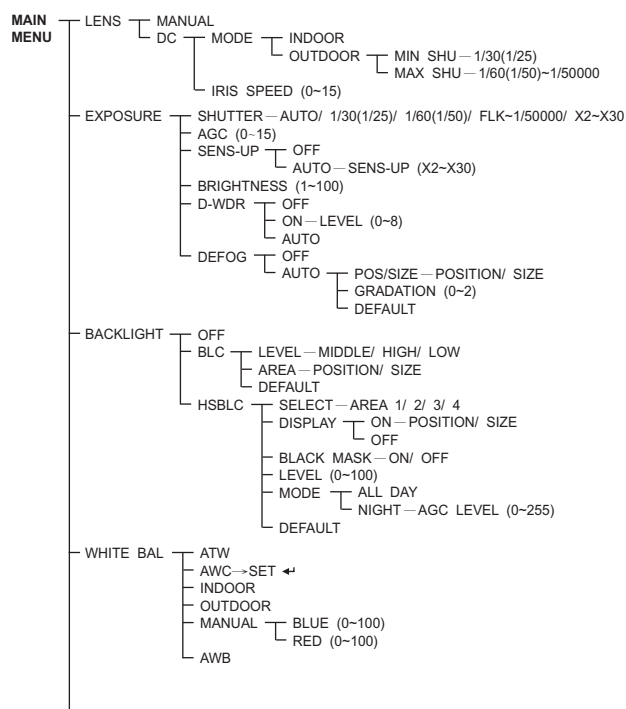
3. Connect to an Up-the-Coax (UTC) digital recorder that supports AHD-Coaxial protocol. Then use the 8-directional buttons (FIG. 9) to adjust settings for the best images.



3-1. USER OSD SETTING

- A. **↑ (UP)** : Press to move the cursor upwards or to select items.
- B. **← (LEFT)** : Press to move the cursor to the left and to select or adjust the parameters of the selected item. The parameters changes each time this button is pressed.
- C. **→ (RIGHT)** : Press to move the cursor to the right and select or adjust the parameters of the selected item. The parameters changes each time this button is pressed.
- D. **↓ (DOWN)** : Press to move the cursor downwards or to select items.
- E. **SET** : Executes selections and displays a submenu for an item with the mark.

Menu Map



Setting Menu and Function

To Open and Exit the Menu screen

1. Press "SET" to show the menu on the screen. Check the current settings on the menu.
 2. Press $\uparrow$ or $\downarrow$ button to select the options then use $\leftarrow$ or $\rightarrow$ button to select a mode.
- SAVE&END: Save the settings of the internal OSD menu.
 - NOT SAVE: Discard the settings of the internal OSD menu.
 - RESET: Restore the camera settings to factory defaults.
 - RETURN: Return to the previous page.
 - EXIT: Exit the main menu.

MAIN MENU	
► 1. LENS	MANUAL
2. EXPOSURE	$\leftarrow$
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	EXIT $\leftarrow$
6. NR	$\leftarrow$
7. SPECIAL	$\leftarrow$
8. ADJUST	$\leftarrow$
9. AF	$\leftarrow$
10. EXIT	SAVE&END $\leftarrow$

Specifications

D/N 1080P AHD AF IR CAMERA			
Model No.		AHD842AX2.8	
Lens	Focal Length		2.8 - 8mm
	Iris		F1.6
	Angle of View	H	95° ~ 47.2°
		V	68° ~ 35°
D		127° ~ 59°	
Power Input Voltage		DC12V ±10%	
System		NTSC or PAL	
Pick Up Element		1/2.9" CMOS Image Sensor	
Effective Pixels		1,984(H) x 1,105(V)	
Scanning System		Progressive Scan	
Menu Control		OSD Control	
Sync. Mode		Internal	
Infrared Cut Filter		Auto Selectable, Automatic Switch from Color Mode to Monochrome	
Resolution		1,920(H) x 1,080(V) @ 30/25fps	
Minimum Illumination		0.025Lux / F1.6, 0Lux (IR On)	
S/N Ratio		More than 55dB (AGC-Off)	
UTC		AHD-Coaxial protocol Supported	
Auto Gain Control		AUTO (16 Steps)	
White Balance		ATW / AWC / INDOOR / OUTDOOR / MANUAL / AWB	
Shutter	Auto	1/60(1/50)S - 1/50,000S	
	Manual	1/30(1/25)S, 1/60(1/50)S, FLK, 1/240S, 1/480S, 1/1,000S, 1/2,000S, 1/5,000S, 1/10,000S, 1/50,000s	
Sense-Up		OFF / AUTO (X2 - X30)	
D-WDR		OFF / ON / AUTO	
Back Light Compensation		OFF / BLC / HSBLC	
Noise Reduction		2DNR & 3DNR	
Defog		OFF / AUTO	
Privacy Masking		OFF / ON	
Privacy Masking Zone		4 Zones	
AF mode		SEMI / AUTO / MANUAL	
OSD Language		ENG / CHN1 / CHN2 / GER / FRA / ITA / SPA / POL / RUS / POR / NED / TUR / KOR / JPN / HEB / ARB	
Video Output		AHD1080P / 1280H	
Power Consumption		10W	
Operating Temperature		-40°C - +50°C (-40°F - 122°F)	
IP Rating		IP66	
Window		φ 59 Heat Resistant Glass	
Infrared LED	Peak Wavelength	850nm	
	Beam Spread	30°	
	Radiant Distance	25M	
Dimensions		68mm(W) x 69mm(H) x 214mm(D)	
Weight		470g	

Design and specifications are subject to change without notice.

DAY&NIGHT

EXT

D→N (DELAY)—0~60

N→D (DELAY)—0~60

AUTO

D→N (AGC)—1~255

D→N (DELAY)—0~60

N→D (AGC)—1~255

N→D (DELAY)—0~60

COLOR

B/W

BURST—OFF/ ON

IR SMART

OFF

ON

LEVEL (0~15)

AREA—POSITION/ SIZE

IR PWM—1~100/ OFF

NR

2DNR—MIDDLE/ HIGH/ OFF/ LOW

3DNR—MIDDLE/ HIGH/ OFF/ LOW

SPECIAL

CAM TITLE

OFF

ON ←

D-EFFECT

FREEZE—OFF/ ON

MIRROR—OFF/ MIRROR/ V-FLIP/ ROTATE

NEG. IMAGE—OFF/ ON

MOTION

OFF

ON

SELECT—AREA 1/ 2/ 3/ 4

DISPLAY

ON—POSITION/ SIZE

OFF

SENSITIVITY (0~100)

COLOR—GREEN/ BLUE/ WHITE/ RED

TRANS—1.00/ 0.75/ 0.25/ 0.00

ALARM

VIEW TYPE—ALL/ OFF/ BLOCK/ OUTLINE

OSD VIEW—ON/ OFF

ALARM OUT.—ON/ OFF

TIME (1~15)

DEFAULT

PRIVACY

OFF

ON

SELECT—AREA 1/ 2/ 3/ 4

DISPLAY

COLOR—POSITION/ SIZE

OFF

MOSAIC—POSITION/ SIZE

INV.—POSITION/ SIZE

COLOR—WHITE/ BLACK/ RED/ BLUE/ YELLOW/ GREEN/ CYAN/ USER

TRANS.—1.00/ 0.25/ 0.50/ 0.75

DEFAULT

LANGUAGE—ENG/ CHN1/ CHN2/ GER/ FRA/ ITA/ SPA/ POL/ RUS/ POR/ NED/ TUR/ KOR/ JPN/ HEB/ ARB

DETECT

LIVE DPC

ON

AGC LEVEL (0~255)

LEVEL (0~100)

OFF

WHITE DPC

ON

POS/ SIZE—POSITION/ SIZE

START—CLOSE THE IRIS THEN PRESS ENTER

DPC VIEW—OFF/ ON

LEVEL (0~60)

AGC (0~14)

SENS-UP (X2~X30)

OFF

BLACK DPC

ON

POS/ SIZE—POSITION/ SIZE

START—PRESS ENTER

DPC VIEW—OFF/ ON

LEVEL (0~100)

OFF

RS485

CAM ID (0~255)

ID DISPLAY

OFF

ON ←

BAUDRATE—38400/ 2400/ 4800/ 9600/ 19200

ADJUST

SHARPNESS

AUTO

LEVEL (0~10)

START AGC (0~255)

END AGC (0~255)

OFF

MONITOR

LCD

GAMMA—USER/ 0.45~1.00

BLUE GAIN (0~100)

RED GAIN (0~100)

CRT

BLUE GAIN (0~100)

RED GAIN (0~100)

LSC—ON/ OFF

VIDEO. OUT—NTSC/ PAL

AF

AF MODE—SEMI/ AUTO/ MANUAL

ONE SHOT AF

TDN AF—ON/ OFF

LENS INIT

EXIT

SAVE&END

RESET

NOT SAVE

HIDDEN Menu

Enter "Main Menu" and enter "2. EXPOSURE." Press $\rightarrow$ three times, then press "SET" (in the center of the 8-directional button) to enter the "HIDDEN" menu. Now you can switch between AHD 1080p, AHD 720p, and CVBS.

HIDDEN	MONITOR OUT—AHD/ CVBS
	OUTPUT_SIZE—1080P/ 720P
	ADC TEST—OFF/ ON
	AE TEST—OFF/ ON
	FIRMWARE

HIDDEN	
► 1. MONITOR OUT	AHD $\leftarrow$
2. OUTPUT_SIZE	1080P
3. ADC TEST	OFF
4. AE TEST	OFF
5. FIRMWARE	$\leftarrow$
6. RETURN	RET $\leftarrow$