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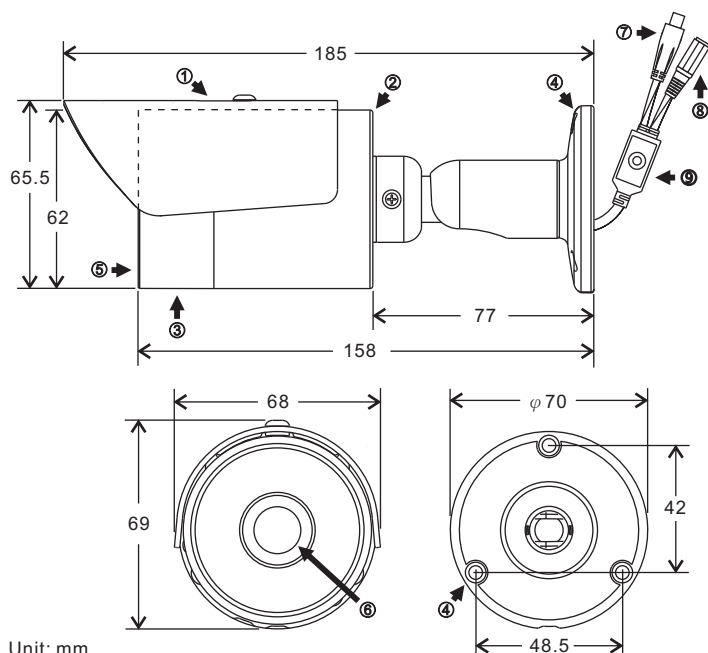
AHD IR CAMERA

66-AHD831ACSE-2



Instruction Manual

Part Description & Dimensions

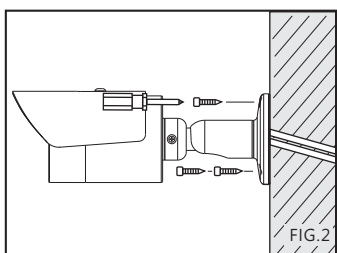
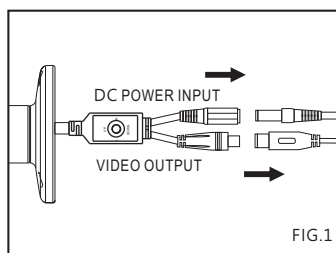


Unit: mm

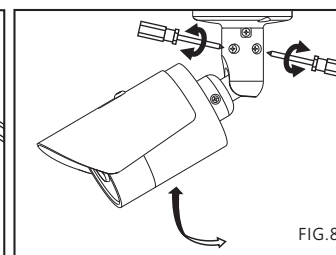
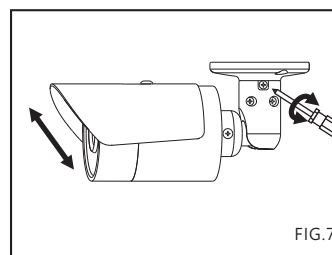
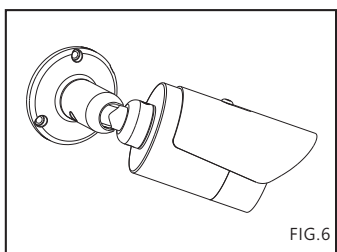
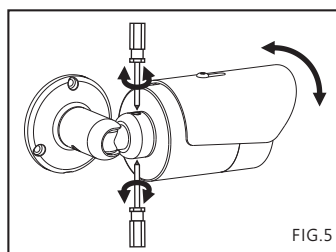
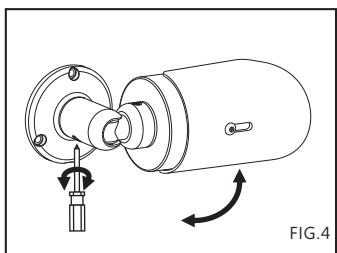
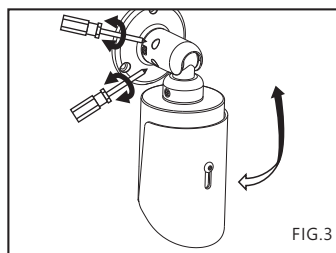
- ① SUN SHIELD
- ② MAIN BODY
- ③ FRONT COVER
- ④ BRACKET BASE
- ⑤ WINDOWS
- ⑥ LENS
- ⑦ VIDEO OUTPUT JACK
- ⑧ DC POWER INPUT JACK (DC12V $\pm$ 10%)
- ⑨ 5-WAY OSD TACT SWITCH

Installation

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

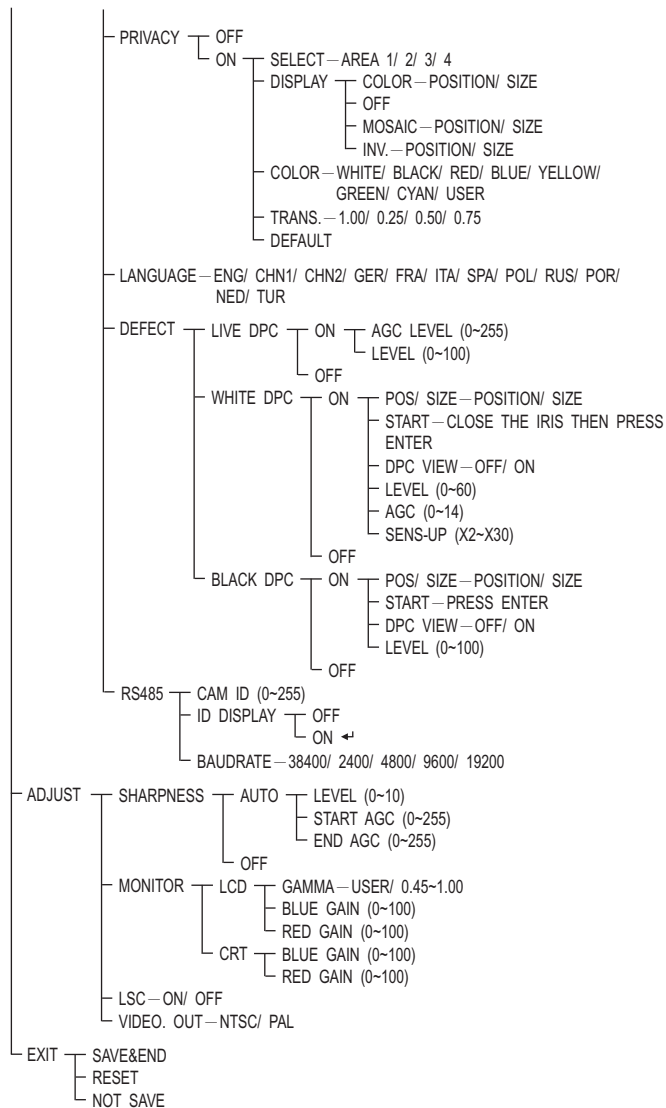


2. Adjust the five adjustment screws to move the camera to the desired angle, and then tighten the adjustment screws (FIG. 3-FIG. 8).



Menu Map

MAIN MENU	LENS	MANUAL	DC	MODE	INDOOR	OUTDOOR	MIN SHU - 1/30(1/25)	MAX SHU - 1/60(1/50)~1/50000
				IRIS SPEED (0~15)				
	EXPOSURE	SHUTTER - AUTO/ 1/30(1/25)/ 1/60(1/50)/ FLK-1/50000/ X2-X30						
		AGC (0~15)						
		SENS-UP	OFF					
			AUTO - SENS-UP (X2-X30)					
		BRIGHTNESS (1~100)						
		D-WDR	OFF					
			ON - LEVEL (0~8)					
			AUTO					
		DEFOG	OFF					
			AUTO					
				POS/SIZE - POSITION/ SIZE				
				GRADATION (0~2)				
				DEFAULT				
	BACKLIGHT	OFF						
		BLC	LEVEL - MIDDLE/ HIGH/ LOW					
			AREA - POSITION/ SIZE					
			DEFAULT					
		HSBLC	SELECT - AREA 1/ 2/ 3/ 4					
			DISPLAY	ON - POSITION/ SIZE				
			OFF					
			BLACK MASK - ON/ OFF					
			LEVEL (0~100)					
			MODE	ALL DAY				
				NIGHT - AGC LEVEL (0~255)				
			DEFAULT					
	WHITE BAL	ATW						
		AWC $\rightarrow$ SET $\leftarrow$						
		INDOOR						
		OUTDOOR						
		MANUAL	BLUE (0~100)					
			RED (0~100)					
		AWB						
	DAY&NIGHT	EXT	D $\rightarrow$ N (DELAY) - 0~60					
			N $\rightarrow$ D (DELAY) - 0~60					
		AUTO	D $\rightarrow$ N (AGC) - 1~255					
			D $\rightarrow$ N (DELAY) - 0~60					
			N $\rightarrow$ D (AGC) - 1~255					
			N $\rightarrow$ D (DELAY) - 0~60					
		COLOR						
		B/W	BURST - OFF/ ON					
			IR SMART	OFF				
			ON	LEVEL (0~15)				
				AREA - POSITION/ SIZE				
			IR PWM - 100~1/ OFF					
	NR	2DNR - MIDDLE/ HIGH/ OFF/ LOW						
		3DNR - MIDDLE/ HIGH/ OFF/ LOW						
	SPECIAL	CAM TITLE	OFF					
			ON $\leftarrow$					
		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			
					ALARM SIG. - HIGH/ LOW			
					TIME (1~15)			
				DEFAULT				



Setting Menu and Functions

To Open and Exit the Menu screen

- Press "SET" to show the menu on the screen. Check the current settings on the menu.
- Press **UP** or **DOWN** button to select the options then use **LEFT** or **RIGHT** 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	←
3. BACKLIGHT	OFF
4. WHITE BAL	ATW
5. DAY&NIGHT	EXIT ←
6. NR	←
7. SPECIAL	←
8. ADJUST	←
9. EXIT	SAVE&END ←

Specifications

D/N 720p AHD IR CAMERA			
Model No.	AHD831A3.6		AHD831A6
Lens	Focal Length	3.6mm	
	Iris	F2.0	
	Angle of View	H	72.2°
		V	52.9°
		D	94.3°
Power Input Voltage		DC12V ±10%	
System		NTSC or PAL	
Pick Up Element		1/3" CMOS Image Sensor	
Effective Pixels		1,305(H) x 977(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		1,280(H) x 720(V) @ 30/25fps	
Minimum Illumination		0.02Lux / F1.8, 0Lux (IR On)	
S/N Ratio		More than 55dB (AGC-Off)	
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	
OSD Language		ENG / CHN1 / CHN2 / GER / FRA / ITA / SPA / POL / RUS / POR / NED / TUR	
Video Output		AHD720P / 1280H	
Power Consumption		4.7W	
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	20M	
Dimensions		68mm(W) x 69mm(H) x 185mm(D)	
Weight		410g	

Design and specifications are subject to change without notice.

User OSD Setting

Setting switches and functions (FIG.9).

- UP : Push **UP** to move the cursor upwards or to select items.
- L : Push **L** to move the cursor to the left and to select or adjust the parameters of the selected item. The parameters changes each time this switch is pushed.
- R : Push **R** to move the cursor to the right and to select or adjust the parameters of the selected item. The parameters changes each time this switch is pushed.
- DOWN : Push **DOWN** to move the cursor downwards or to select items.
- SET : Press **SET** to execute selections and display a submenu for an item with the **▶** mark.

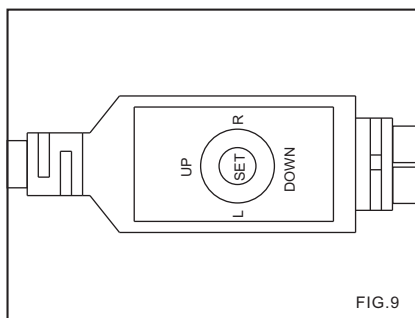


FIG.9

NOTES

- Press and hold **L** for more than 5 sec. to enter the 1280H mode.
- Press and hold the **R** for more than 5 sec. to enter the AHD mode.
- Press and hold **DOWN** for more than 5 sec. to enter the NTSC or PAL mode.