

EZA1280 eZ.HD Series

1080p Dual Power FHD IP66 IR Bullet Camera

User's Manual



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1. Introduction

Equipped with a 1080p Sony STARVIS CMOS sensor, the EZA1280 deliver 1080p full HD image quality. The model provides 2.8-12mm lens with ICR. Featured with Digital Wide Dynamic Range (D-WDR), the camera can provide clear images even under backlight circumstances where intensity of illumination can vary excessively. The EZA1280 supports dual power (12VDC / 24VAC) and supports both NTSC and PAL scanning systems.

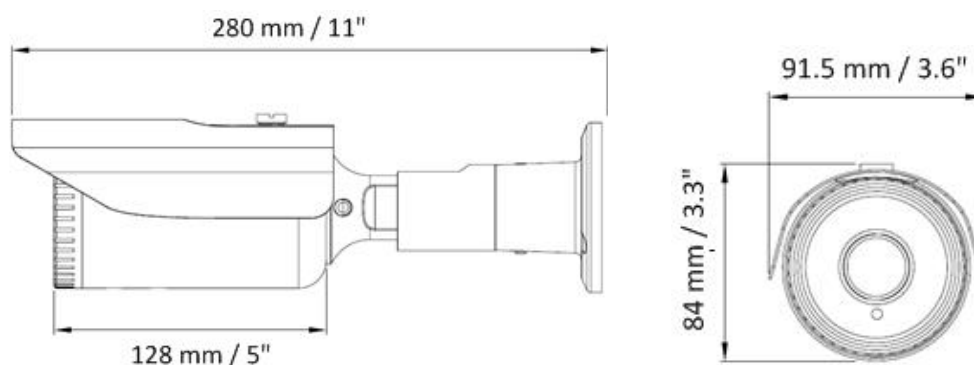
1.1 Packing List

- Camera x 1
- Mounting Sticker x 1
- L-Type Wrench x 1
- Screw & Screw Anchor x 3
- User Manual x 1

1.2 Features

- 1080p Sony STARVIS CMOS sensor, delivering amazing high sensitivity
- Varifocal 2.8-12mm with ICR to capture the desired field of view
- Extended IR range of up to 40m / 131ft. with 4 LEDs (depends on scene IR reflectivity)
- D-WDR to improve the visibility under high contrast scene
- 3-Axis rotation design allows wall or ceiling mounting
- IP66-rated with metal housing
- Supports dual power (12VDC / 24VAC)
- Supports UTC function: Control camera OSD settings directly from DVR end

1.3 Dimensions



1.4 Optional Accessory

BA-E320



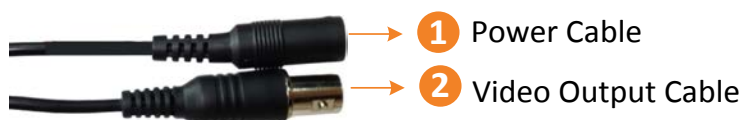
Color: White

Size: $\Phi 138 \times 54(H)$ mm / 5.43"x2.16"

Weight: 700g / 1.87lb

Material: Metal

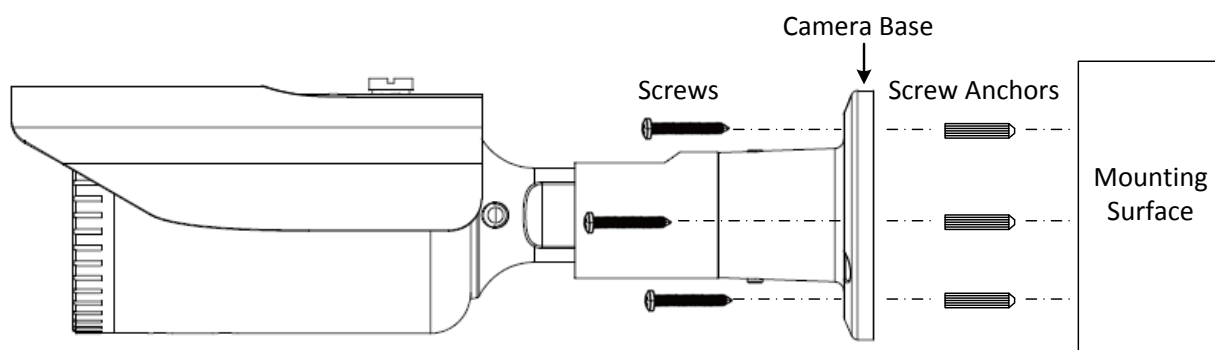
1.5 Cable Description



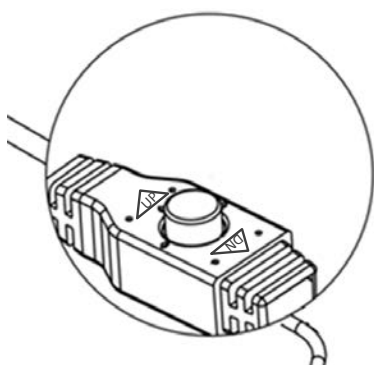
No.	Name	Descriptions
1	Power Cable	Connects to a 12VDC / 24VAC power source.
2	Video Output	1080p output, using a 75 Ohm BNC-type coaxial cable.

2. Installation

1. Stick the supplied **Mounting Sticker** to the surface to mark the 3 screw positions. Drill 3 holes on the surface and insert the supplied 3 **Screw Anchors** into the screw holes. If you want to run the cable through the surface, drill a hole within the 3 screw area.
2. To mount the camera to the surface, screw the **Camera Base** to the surface using the supplied 3 **Screws**.



3. Connect the **Power Cable** to a 12VDC / 24VAC power source. Connect the **Video Output Cable** to a monitor or DVR.
4. You can use the **Joystick** on the cable to configure camera OSD settings or switch to different video formats. Remove the Protection Cap from the Joystick before using it.



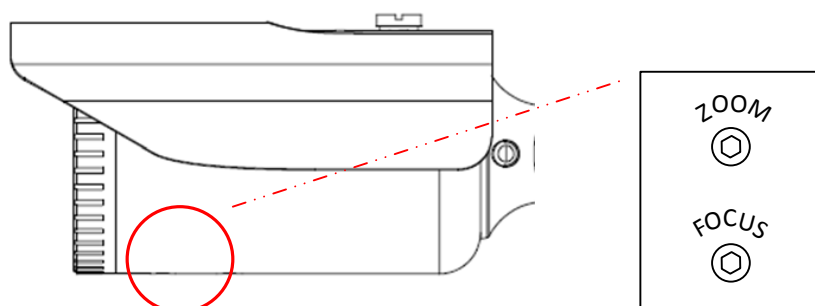
Switching Video Format:

- Push the joystick up for 5 sec. to switch to AHD.
- Push the joystick right for 5 sec. to switch to TVI.
- Push the joystick down for 5 sec. to switch to CVI.
- Push the joystick left for 5 sec. to switch to CVBS.

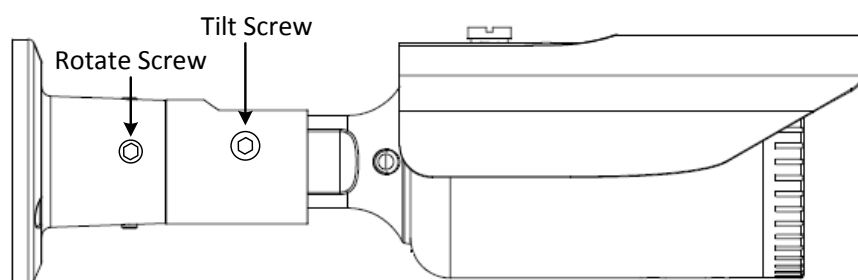
Configuring OSD Settings:

- Push the Joystick up / down to select among menu items.
- Push the Joystick left / right to adjust the level of the selected item.
- Press the Joystick to enter the submenu or exit the OSD Setup Menu.

- For the first time installation, check whether the camera is properly focused. If not, you can manually adjust camera Zoom or Focus using the supplied **L-Type Wrench**. On the bottom of the camera, find the **Zoom** and **Focus** nuts. Using the supplied **L-Type Wrench** to adjust camera Zoom or Focus.



- You can optionally adjust camera angles. To do so, loosen the **Tilt Screw** or **Rotate Screw** on the bracket using the supplied **L-Type Wrench** to adjust camera angles. After adjusting camera angles, tightly screw back the Tilt/Rotate screws.



3. Configuration in the OSD Menu

You can configure camera settings in the OSD menu from DVR end.

No	Main	Sub Menu	Sub Menu / Function	
1	Iris	ELC		
		Off		
2	Focus Adj.	On	Focus Area	Wide / Narrow / Middle
			DISP Tone	0-2
			DISP H_POS	0-60
			DISP V_POS	0-34
			DISP H_Size	0-60
			DISP V_Size	0-34
3	Exposure	Brightness	0-20	

		Shutter	Auto	Normal / Deblur		
			Manual	Speed	1/30, 1/60, 1/120, 1/240, 1/480, 1/1000, 1/2000, 1/4000, 1/8000, 1/15000, 1/30000	
			Flicker			
		Sens-Up	Off, x2, x4, x8, x16, x32			
		AGC	0-10			
4	Backlight	Off				
		HLC	Mode	Night Only / All Day		
			Level	0-20		
			Color	BLK / CUSTOMIZE / WHT / YEL / CYN / GRN / MAG / RED / BLU		
		BLC	H-POS	0-20		
			V-POS	0-20		
			H-Size	0-20		
			V-Size	0-20		
		WDR	Mode	ROI	Normal	
					Window Zone	0-3
					Window Use	On / Off
					H-POS	0-1920
					V-POS	0-1080
					H-Size	0-1920
					V-Size	0-1080
Weight	Middle / High / Low					
5	Day&Night	Auto	Mode	Auto	IR LED	On / Off
					Anti-Sat.	0-20
					LED Power	Dimming
					AGC Thres	0-20
					AGC Margin	0-20
					Delay	Middle / High / Low
				Color	White LED	On / Off
					Anti-Sat.	0-20
					LED Power	Dimming
					AGC Thres	0-20
					AGC Margin	0-20
					Delay	Middle / High / Low
				B&W	IR LED	On / Off
					Anti-Sat.	0-20
					LED Power	Dimming
					AGC Thres	0-20
					AGC Margin	0-20
					Delay	Middle / High / Low
				Extern	IR LED	On / Off
					Anti-Sat.	0-20
					LED Power	Dimming
					Extern SW	High / Low

					D > N Thres	0-20			
					N > D Thres	0-20			
					Delay	Middle / High / Low			
6	Color	AWB	Auto						
			Autoext						
			Preset						
			Manual	C-Temp	3000K / 5000K / 8000K				
				R-Gain	0-20				
		B-Gain		0-20					
	Color Gain	0-20							
7	DNR	Middle / High / Off / Low							
8	Image	Sharpness	CVBS	0-10					
			CVI	0-10					
			TVI	0-10					
			AHD	0-10					
		Gamma	0.45 / 0.55 / 0.65 / 0.75						
		Mirror	On / Off						
		Flip	On / Off						
		ACE	Off / Low / Middle / High						
		Defog	Off						
			On	Mode	Manual / Auto				
				Level	Low / Middle / High				
		Privacy	Off						
			On	Zone Num	0-15				
				Zone DISP	On / Off				
				H-POS	0-60				
				V-POS	0-34				
				H-Size	0-60				
				V-Size	0-34				
				Y-Level	0-20				
				CB Level	0-20				
				CR Level	0-20				
		Trans	0 / 1 / 2 / 3						
		9	Motion	Off					
On	Det Window			Window Zone	0 / 1 / 2 / 3				
				Window Use	On / Off				
				Det H-POS	0-60				
				Det V-POS	0-34				
				Det H-Size	0-60				
				Det V-Size	0-34				
	Det Tone			0 / 1 / 2 / 3 / 4					
	Mdirect Fill			On / Off					
	Sensitivity			0-10					
	Motion OSD			On / Off					
	Text Alarm			On / Off					
	Signal Out			On / Off					
	10			System	Output	HD Output	Off / CVBS / CVI / TVI / AHD		

		Mode	Frame Rate	1080 25P(30P) / 720 25P(30P) / 720 50P(60P)			
			Freq.	50HZ / 60HZ			
			Confirm	YES			
		Image Range	Full				
			Comp				
			User	Offset		0-32	
		Color Space	HD-CbCr / YUV / SD-CbCr				
		Color Bar	On / Off				
		Language	ENG / CHN / CHN(S) / JPN / KOR / POR				
		Cam Title	Off				
			Right Up				
			Left Down				
		Reset					