

EZA2580 eZ.HD Series

5MP Dual Power IP66 IR Bullet Camera

User's Manual



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1. Introduction

Equipped with a Sony STARVIS CMOS sensor, the EZA2580 deliver 5MP image quality. The model provides 2.8-12mm lens with ICR. Featured with True Wide Dynamic Range (T-WDR), the camera can provide clear images even under backlight circumstances where intensity of illumination can vary excessively. The EZA2580 supports dual power (12VDC / 24VAC, depends on model) and supports both NTSC and PAL scanning systems.

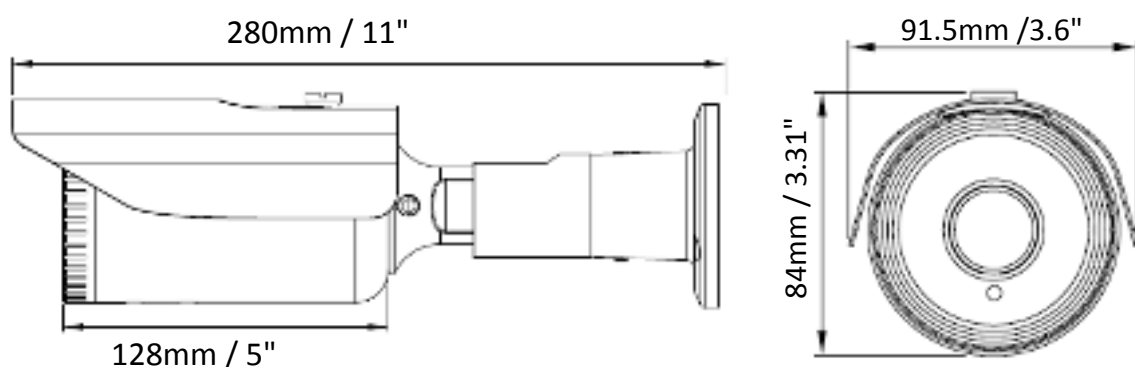
1.1 Packing List

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

1.2 Features

- 5MP 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)
- T-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, depends on model)
- Supports UTC function: Control camera OSD settings directly from DVR end

1.3 Dimensions



1.4 Optional Accessory

BA-E320



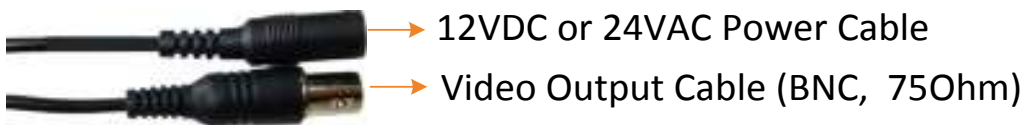
Color: White

Size ($\Phi \times H$): 138 x 54mm / 5.43" x 2.16"

Weight: 700g / 1.87

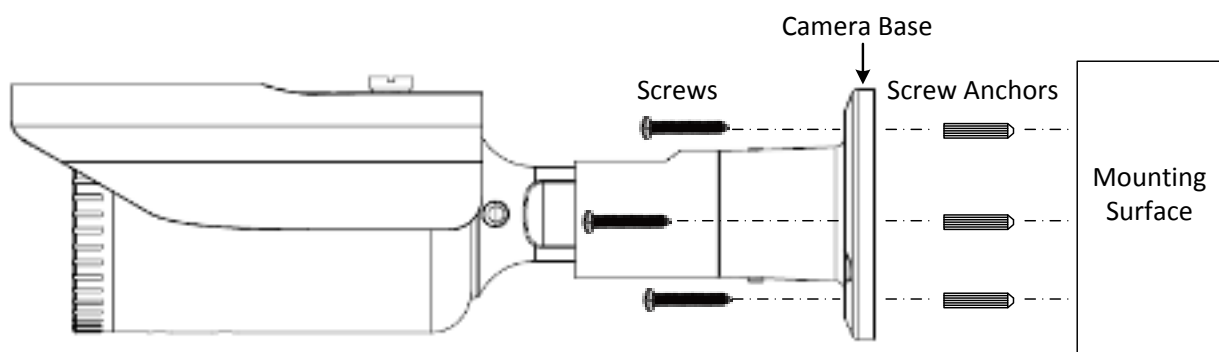
Material: Metal

1.5 Cable Description

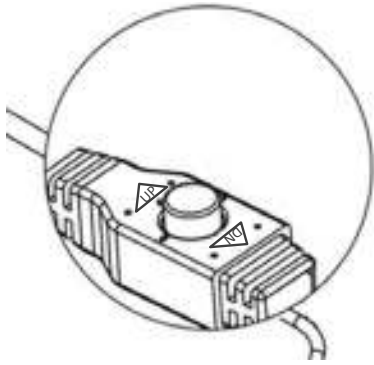


2. Installation

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**.



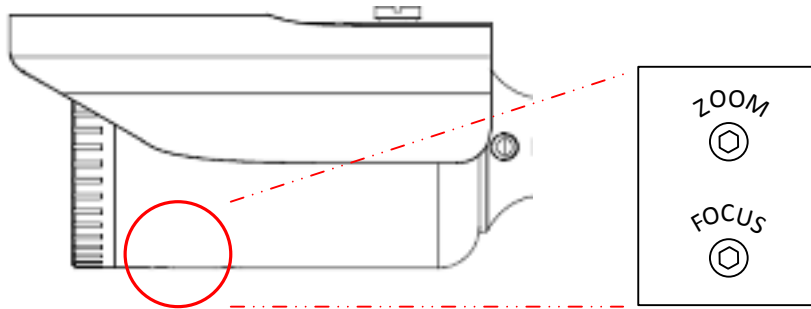
3. Connect the **Power Cable** to a 12VDC / 24VAC power source. Connect the **Video Output Cable** to a monitor or DVR.
4. You can use the **Joystick** on the cable to configure camera OSD settings. Remove the Protection Cap from the Joystick before using it.



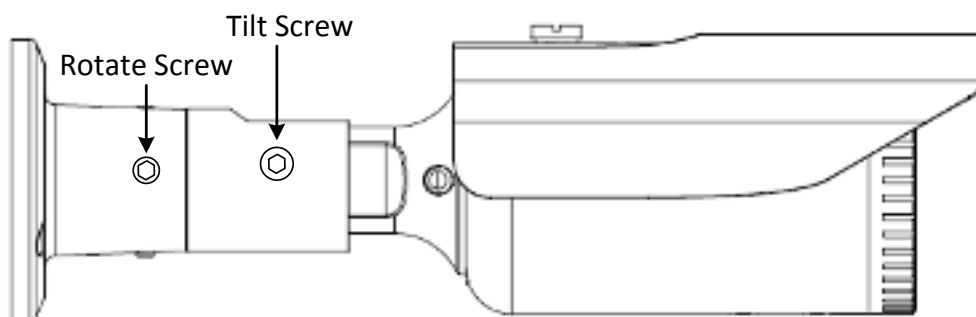
Configuring OSD Settings:

- 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.

5. 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**. You can find the **Zoom** and **Focus** nuts on the bottom of the camera.



6. 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

No	Main	Sub Menu	Sub Menu / Function				
1	Edge Det	On	Level	0-10			
			Color	YEL, CYN, GRN, MAG, RED, BLU, BLK, WHT			
		Off					
2	Exposure	Brightness	0-20				
		Shutter	Auto	Mode	Normal / Deblur		
			Manual	Speed	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/15000, 1/30000		
			Flicker				
		Sens-Up	X2, x4, x8, x16, x32, Off				
		AGC	0-10				
3	Backlight	HLC	Level	0-20			
			Color	YEL, CYN, GRN, MAG, RED, BLU, BLK, WHT			
		BLC	H-POS	0-26			
			V-POS	0-32			
			H-SIZE	0-26			
			V-SIZE	0-32			
			WDR	WDR Mode	Frame, Line		
		ROI Mode		Box	Window Zone	0-3	
					Window Use	On, Off	
					H-POS	0-2608	
					V-POS	0-1960	
					H-SIZE	0-2608	
					V-SIZE	0-1960	
				Polygon	Window Zone	0-3	
					Window Use	On, Off	
					POS0-X	0-721	
					POS0-Y	0-535	
					POS1-X	0-721	
					POS1-Y	0-535	
					POS2-X	0-721	
		POS2-Y	0-535				
		POS3-X	0-721				
		POS3-Y	0-535				
		Off					
		Weight	High, Middle, Low				
		Off					
4	Day/Night	Mode	Auto	IR LED	Adaptive, Off		
				Anti-Sat.	0-20		
				D>N Thres	0-20		
				N>D Thres	0-20		
				Delay	High, Middle, Low		
			Color				
		B/W	IR LED	Adaptive, Off			

				Anti-Sat.	0-20			
				D>N Thres	0-20			
				N>D Thres	0-20			
				Delay	High, Middle, Low			
			Extern	IR LED	Adaptive, Off			
				Anti-Sat.	0-20			
				Extern SW	High, Low			
				D>N Thres	0-20			
				N>D Thres	0-20			
				Delay	High, Middle, Low			
5	Color	AWB	Auto					
			Autoext					
			Preset					
			Manual	C-Temp	3000K, 5000K, 8000K			
				R-Gain	0-20			
				B-Gain	0-20			
		Color Gain	0-20					
6	DNR	High, Middle, Low, Off						
7	Image	Sharpness	0-10					
		Gamma	0.45, 0.55, 0.65, 0.75					
		Mirror	On, Off					
		Flip	On, Off					
		D-Zoom	1.0X-16X					
		ACE	High, Middle, Low, Off					
		Defog	On	Mode	Auto, Manual			
				Level	High, Middle, Low			
			Off					
		Shading	On	Weight	0%-100%			
			Off					
		Privacy		Box	On	Zone Num	0-15	
						Zone Disp	On, Off	
						H-POS	0-80	
						V-POS	0-61	
						H-Size	0-80	
						V-Size	0-61	
						Y Level	0-20	
						CB Level	0-20	
						CR Level	0-20	
						Trans	0-3	
				Off				
				Polygon	On	Zone Num	0-7	
						Zone Disp	On, Off	
						POS0-X	0-162	
						POS0-Y	0-122	
						POS1-X	0-162	
						POS1-Y	0-122	
						POS2-X	0-162	
						POS2-Y	0-122	
		POS3-X	0-162					
		POS3-Y	0-122					
		Y Level	0-20					

					CB Level	0-20		
					CR Level	0-20		
					Trans	0-3		
				Off				
8	Motion	On	Det Window	Window Use		0-3		
				Window Zone		On, Off		
				Det H-POS		0-80		
				Det V-POS		0-60		
				Det H-Size		0-80		
				Det V-Size		0-60		
			Sensitivity		0-10			
			Motion OSD		On, Off			
			Text Alarm		On, Off			
			Signal Out		On, Off			
			Off					
		9	System	Output	Frame Rate		4K/15fps, 4MP/30fps, 1080p/30fps, 5MP/12.5fps, 5MP/20fps, 4MP/15fps	
Freq					60Hz, 50Hz			
Analog Mode					AHD, TVI, CVI, CVBS			
Confirm					Yes			
Return								
Exit								
Image Range	Full							
	Comp							
	User			Offset	0-32			
Color Space				HD-CbCr, SD-CbCr, YUV				
Audio Mic				Not supported				
Color Bar				On, Off				
Language				ENG, CHN, CHN(S), JPN, KOR, POR, ESP				
Cam Title	Left-Down							
	Right-Up							
	Off							
Reset				On				
10	Exit							