

EZA2580 eZ.HD Series

5MP Dual Power IP66 IR Bullet Camera

User's Manual



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Release Date: September, 2019

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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.

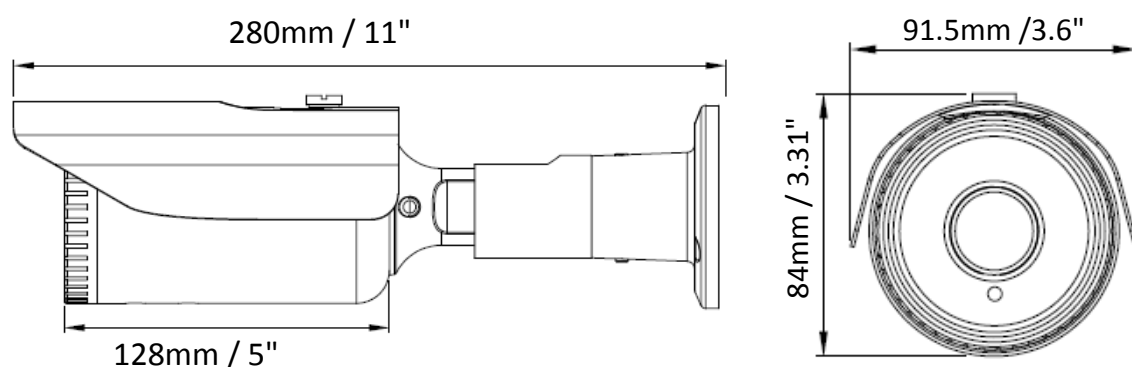
1.1 Packing List

- 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

BAE3201



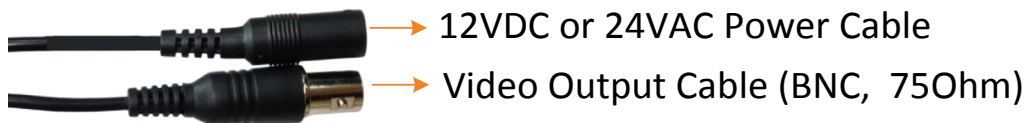
Color: White

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

Weight: 700g / 1.87

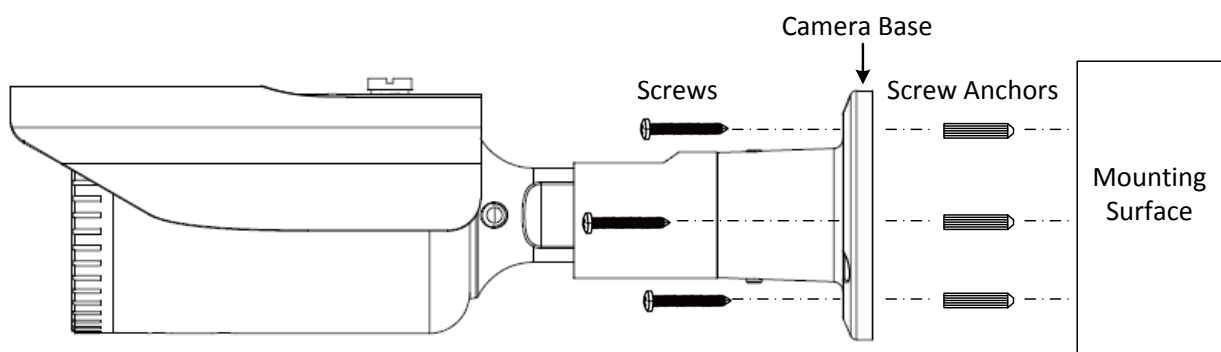
Material: Metal

1.5 Cable Description

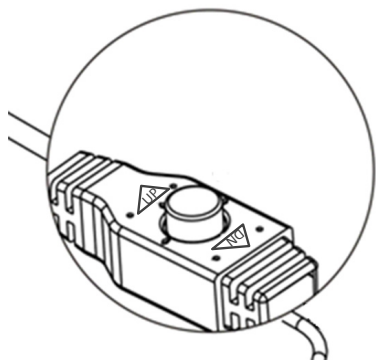


2. Installation

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**.



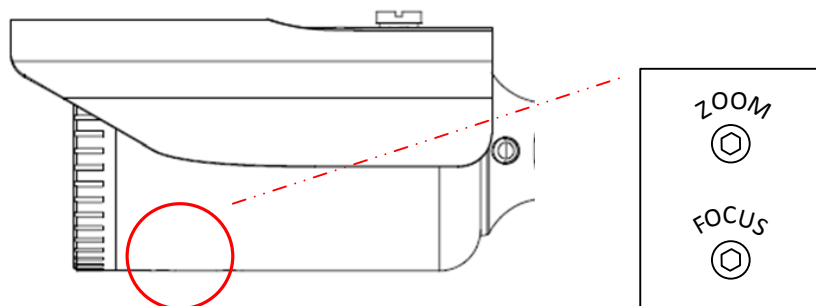
3. Connect the **Power Cable** to a 12VDC / 24VAC power source. Connect the **Video Output Cable** to a monitor or DVR.
4. You can use the **Joystick** on the cable to configure camera OSD settings. Remove the Protection Cap from the Joystick before using it.



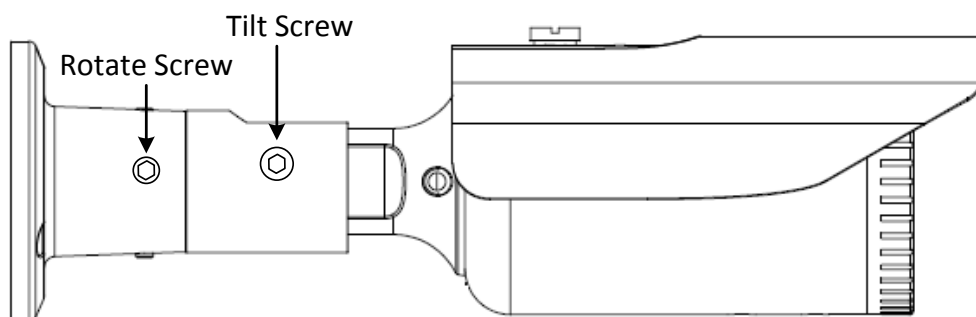
Configuring OSD Settings:

- 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						