

EBA2880 eZ.HD Series

8MP, IP66 IR Dome Camera

User's Manual



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1. Introduction

EverFocus eZ.HD series cameras – EBA2880 deliver 8MP image quality. The model is equipped with CMOS sensor and provides motorized 3.6-11mm 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 EBA2880 supports both NTSC and PAL scanning systems (auto detection) and is IP66 certified.

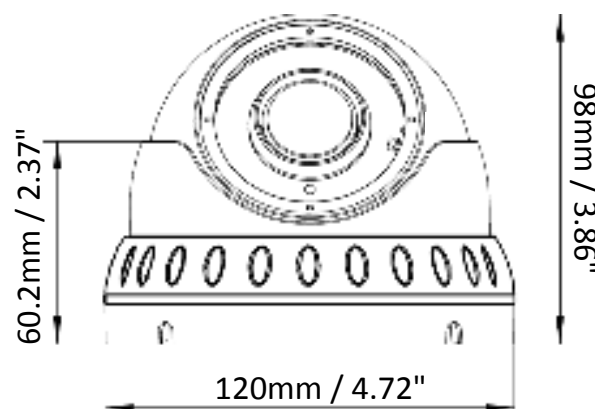
1.1 Packing List

- Camera x 1
- Mounting Sticker x 1
- L-Type Wrench x 1
- Screw & Screw Anchor x 4
- User Manual x 1

1.2 Features

- Equipped with 8MP CMOS sensor
- Motorized 3.6-11mm lens with ICR to capture the desired field of view
- Extended IR range of up to 30m / 98ft. with 24 LEDs (depends on scene IR reflectivity)
- T-WDR to improve the visibility under high contrast scene
- The flexible angle viewing with its 3-Axis rotation design allows wall or ceiling mounting
- IP66-rated with metal housing
- Supports UTC function: Control camera OSD settings from DVR end

1.3 Dimensions



1.4 Optional Accessory

BA-E320



Color / Material: White / Metal
Size (Φ x H): 138 x 54mm / 5.43" x 2.13"
Weight: 700g / 1.5lb

BA-EB45



Color / Material: White / Metal
Size (W x D x H): 245 x 160 x 163mm / 9.65" x 6.3" x 6.42"
Weight: 2.1kg / 4.63lb

1.5 Cable Description

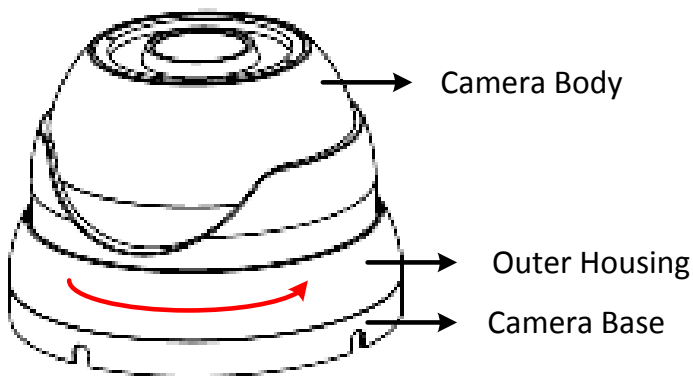


→ 12VDC Power Cable

→ Video Output Cable (BNC, 75Ohm)

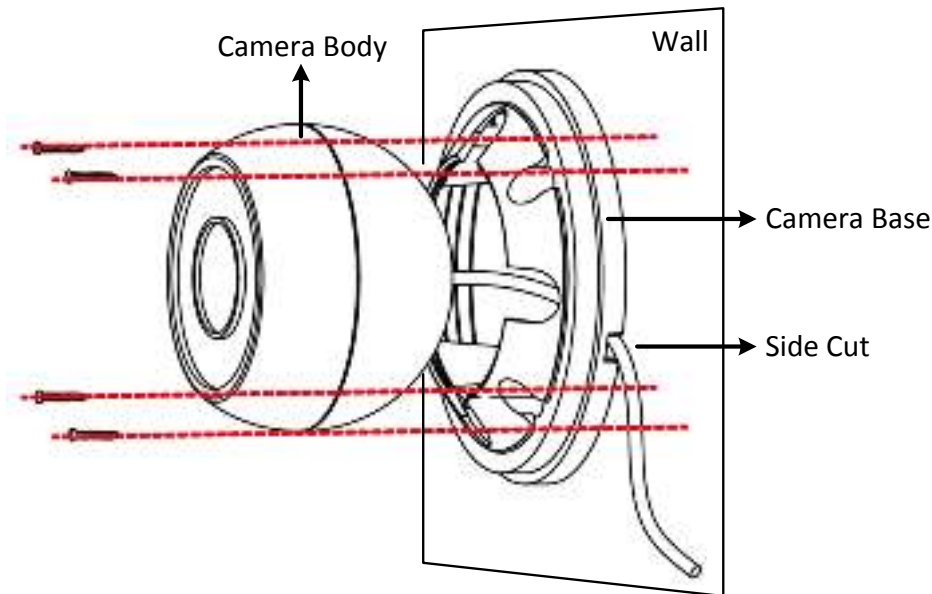
2. Installation

1. Stick the supplied **Mounting Sticker** to the surface to mark the 4 screw positions. Drill four holes on the surface and insert the supplied 4 **Screw Anchors** into the screw holes. If you want to run the cable through the surface, drill a hole within the 4 screw area.
2. Unscrew the **Outer Housing** by twisting it counterclockwise and then remove it from the **Camera Base**.

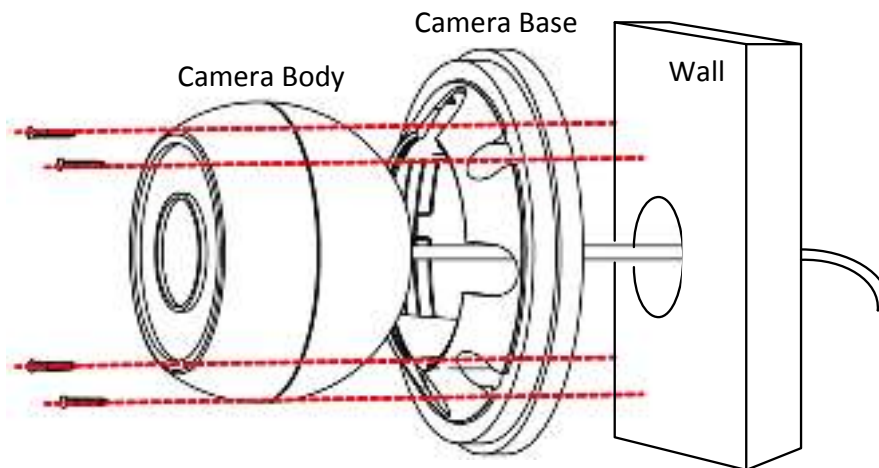


3. Screw the **Camera Base** to the surface with the supplied four **Screws**.

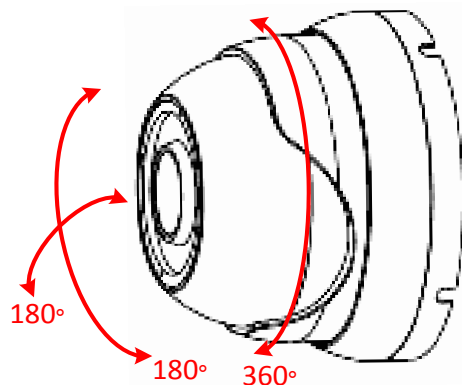
- a. If you want to wire the cables from the Side Cut on the Camera Base:
Attach the Camera Body to the Camera Base and run the cables through the Camera Base, and then place the cable under the Side Cut. Finally, screw the Camera Base to the surface with the supplied 4 Screws.



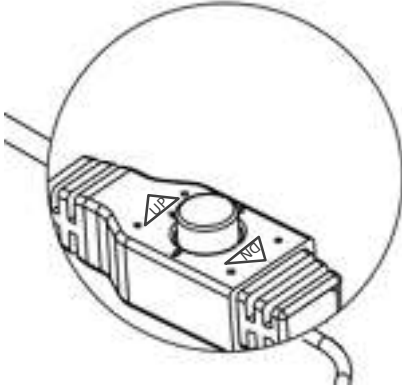
- b. If you want to wire the cables through the surface:
Attach and screw the Camera Base to the surface with the supplied 4 Screws, and then attach the Camera Body to the Camera Base.



4. Screw back the **Outer Housing** and adjust camera angle simultaneously.



5. Connect the **Power Cable** to a 12VDC power source. Connect the **Video Output Cable** to a monitor or DVR.
6. 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.

3. Configuration in the OSD Menu

No	Main	Sub Menu	Sub Menu / Function				
1	Motorized	AF Mode	One Shot, Manual				
		D&N Filter	Sync On, Sync Off				
		Initial	On				
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	Not supported				
		AGC	0-10				
3	Backlight	HLC	Level	0-20			
			Color	YEL, CYN, GRN, MAG, RED, BLU, BLK, WHT			
		BLC	H-POS	0-38			
			V-POS	0-35			
			H-SIZE	0-38			
			V-SIZE	0-35			
		WDR	WDR Mode	Line			
			ROI Mode	Box	Window Zone	0-3	
					Window Use	On, Off	
					H-POS	0-3856	
					V-POS	0-2176	
					H-SIZE	0-3856	
					V-SIZE	0-2176	
				Polygon	Window Zone	0-3	
					Window Use	On, Off	
					POS0-X	0-935	
					POS0-Y	0-361	
					POS1-X	0-935	
					POS1-Y	0-361	
					POS2-X	0-935	
POS2-Y	0-361						
POS3-X	0-935						
POS3-Y	0-361						
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
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	Not supported			
		ACE	High, Middle, Low			
		Defog	On	Mode	Auto, Manual	
				Level	High, Middle, Low	
		Off				
		Shading	On	Weight	0%-100%	
			Off			
		Box	On	Zone Num	0-15	
				Zone Disp	On, Off	
				H-POS	0-120	
				V-POS	0-68	
				H-Size	0-80	
				V-Size	0-61	
				Y Level	0-20	
				CB Level	0-20	
				CR Level	0-20	
				Trans	0-3	
		Off				
		Privacy	On	Zone Num	0-7	
				Zone Disp	On, Off	
				POS0-X	0-240	
				POS0-Y	0-136	
				POS1-X	0-240	
				POS1-Y	0-136	
				POS2-X	0-240	
				POS2-Y	0-136	
				POS3-X	0-240	
				POS3-Y	0-136	
				Y Level	0-20	
CB Level	0-20					

					CR Level	0-20		
					Trans	0-3		
8	Motion	On	Det Window	Off				
				Window Use	0-3			
				Window Zone	On, Off			
				Det H-POS	0-96			
				Det V-POS	0-56			
				Det H-Size	0-96			
			Det V-Size	0-56				
			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				
			Freq	60Hz (Auto Detection)				
			SDI Mode	Not supported				
			SDI UCC Stop	Not supported				
			Analog Mode	AHD, TVI, CVI, CVBS				
			Confirm	Yes				
			Return					
		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					
		Cam Title	Left-Down					
			Right-Up					
			Off					
		Reset	On					
		10	Exit					