

EBA1540 eZ.HD Series

5MP, IP66 IR Dome Camera

User's Manual



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1. Introduction

EverFocus eZ.HD series cameras – EBA1540 deliver 5MP image quality. The model is equipped with Sony STARVIS CMOS sensor and provides 3.6mm fixed 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 EBA1540 supports both NTSC and PAL scanning systems and is IP66 certified.

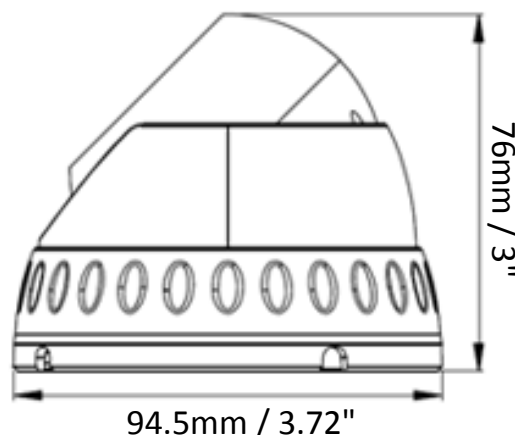
1.1 Packing List

- 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 Sony STARVIS 5MP CMOS sensor
- 3.6mm fixed lens with ICR to capture the desired field of view
- Extended IR range of up to 20m / 66ft. with 18 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-E310



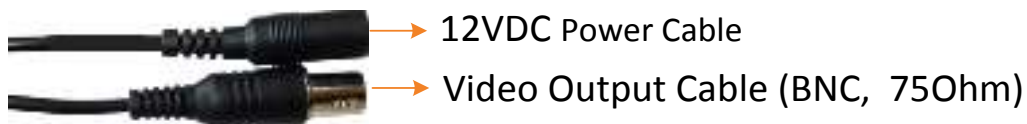
Color / Material: White / Metal
Size (Φ x H): 101 x 52mm / 3.98" x 2"
Weight: 540g / 1.2lb

BA-E173



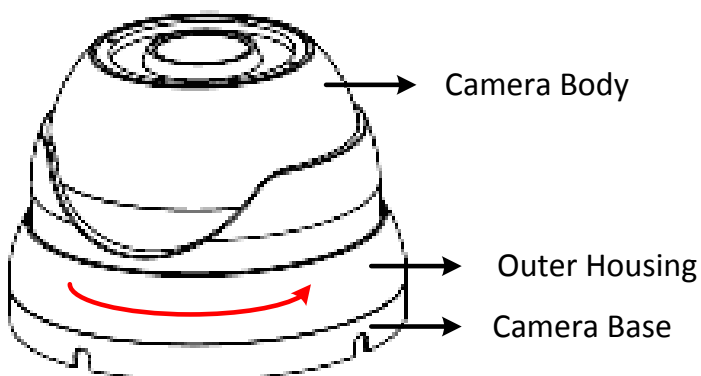
Color / Material: White / Metal
Size (W x D x H): 173 x 111 x 114mm / 6.81" x 4.37" x 4.49"
Weight: 700g / 1.5lb

1.5 Cable Description

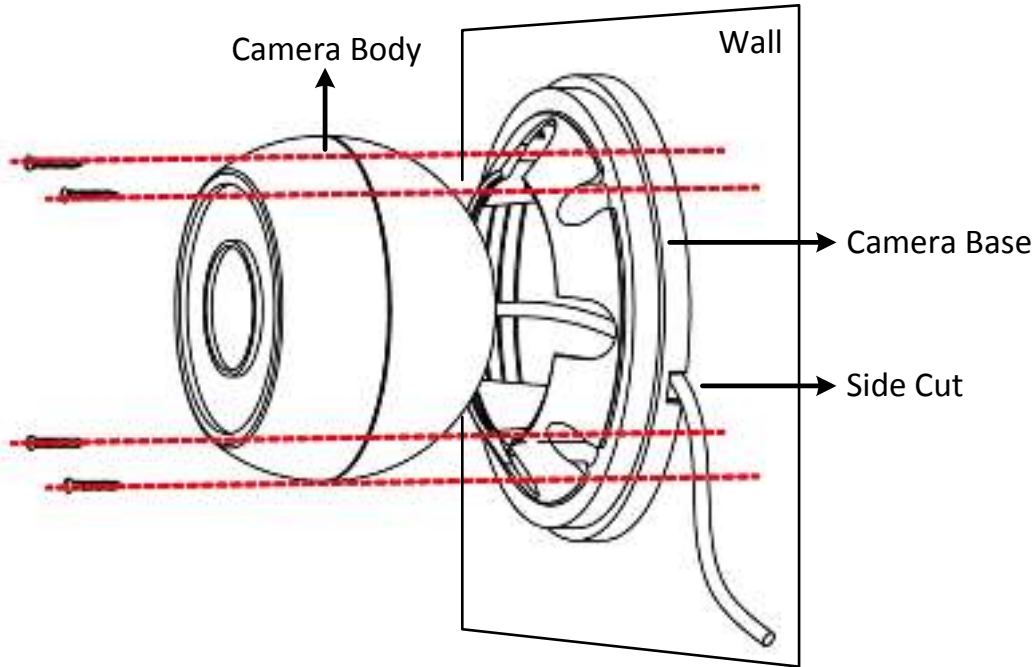


2. Installation

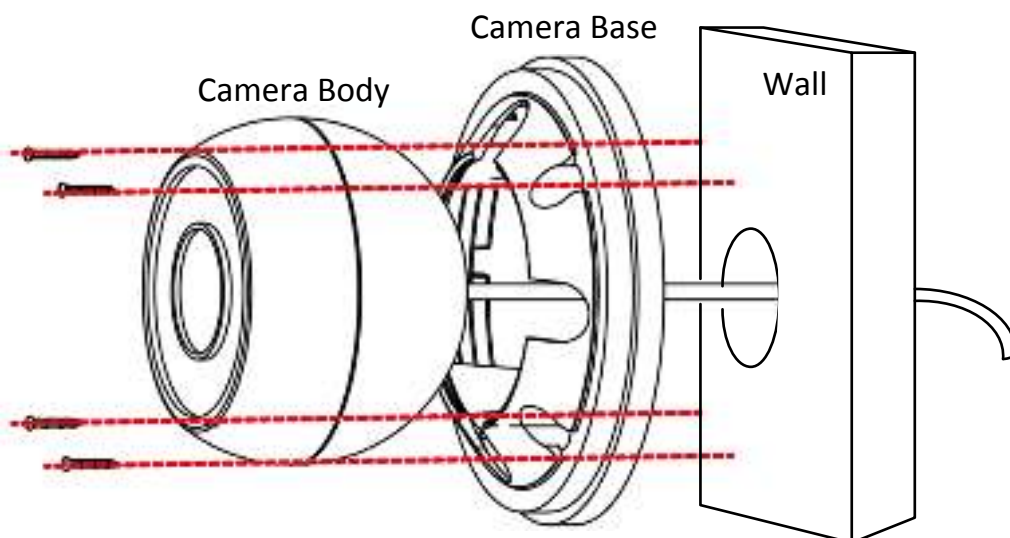
1. Stick the supplied **Mounting Sticker** to the surface to mark the 4 screw positions. Drill four holes on the surface and insert the supplied 4 **Screw Anchors** into the screw holes. If you want to run the cable through the surface, drill a hole within the 4 screw area.
2. Unscrew the **Outer Housing**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



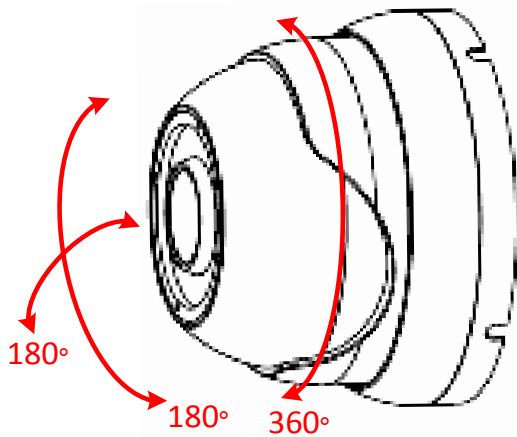
3. Screw the **Camera Base** to the surface with the supplied four **Screws**.
- a. If you want to wire the cables from the Side Cut on the Camera Base:
Attach the Camera Body to the Camera Base and run the cables through the Camera Base, and then place the cable under the Side Cut. Finally, screw the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



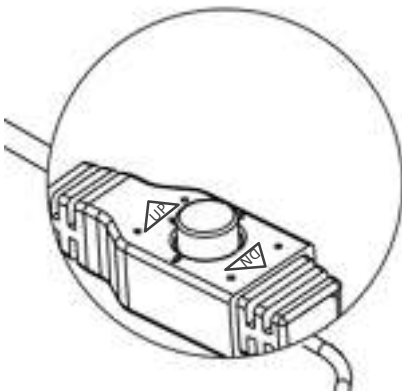
- b. If you want to wire the cables through the surface:
Attach and screw the Camera Base to the surface with the supplied 4 Screws, and then attach the Camera Body to the Camera Base.



4. Screw back the **Outer Housing** and adjust the 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	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			
			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							