EZA1540 eZ.HD Series

5MP IP66 IR Bullet Camera

User's Manual

1. Introduction

EverFocus eZ.HD series cameras – EZA1540 is equipped with a 5MP SONY STARVIS CMOS sensor. The model 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 EZA1540 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 3
- 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 25m / 82ft. with 20 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
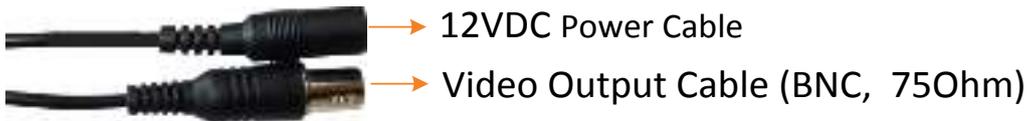- Supports UTC function: Control camera OSD settings from DVR end

1.3 Dimensions

157mm / 6.18" 66mm / 2.6" 70mm / 2.76"
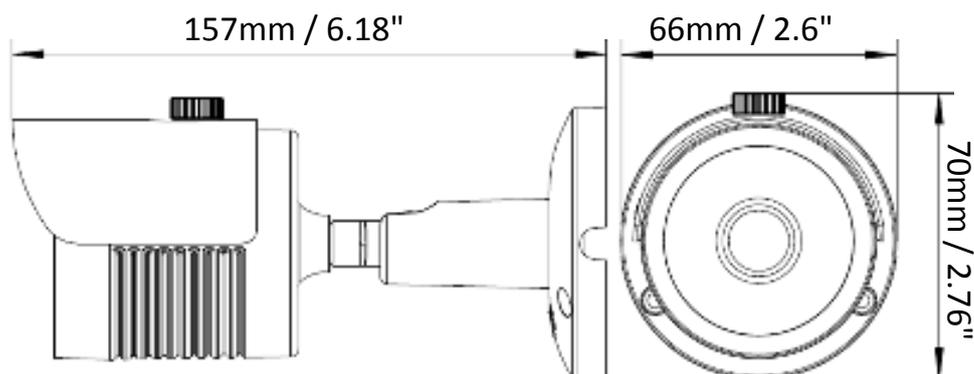
1.4 Optional Accessory

BA-E310	
	Color / Material: White / Metal Size (Φ x H): 101 x 52mm / 3.98"x 2" Weight: 540g / 1.2lb

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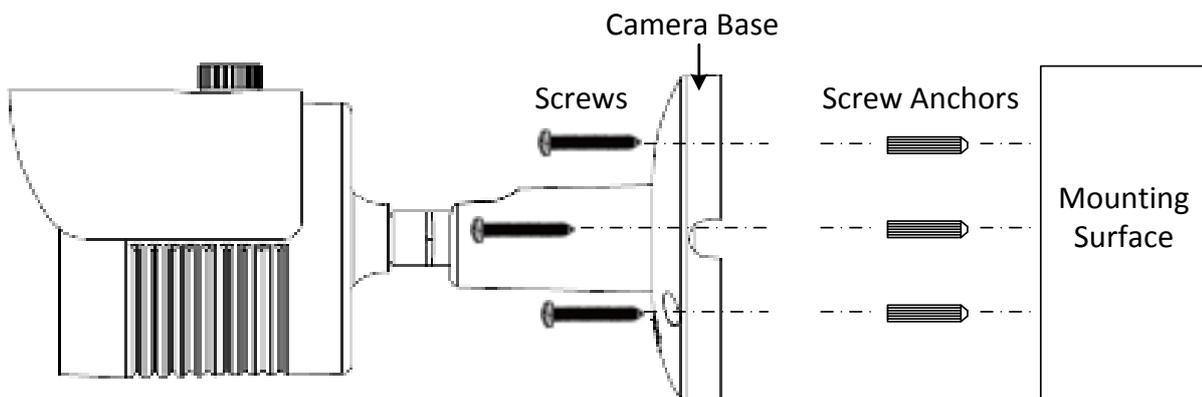
3. Connect the **Power Cable** to a 12VDC power source. Connect the **Video Output Cable** to a monitor or DVR.

4. You can use the **Joystick** on the cable to configure camera OSD settings. Remove the Protection Cap from the Joystick before using it.
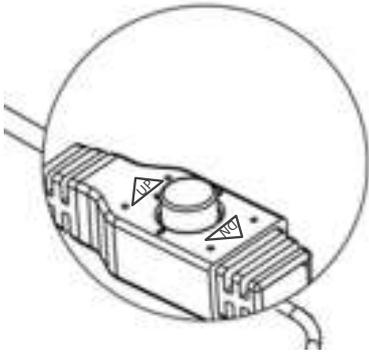
Configuring OSD Settings:

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

Rotate Screw
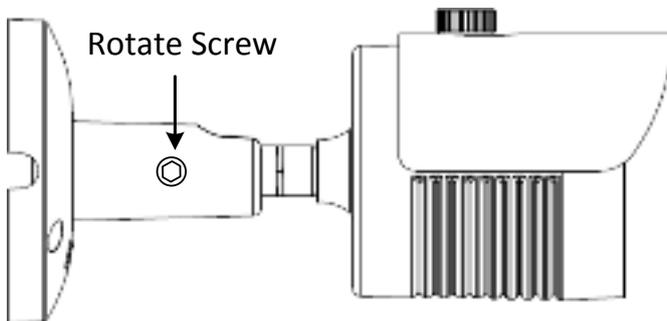
3. Configuration in the OSD Menu

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	

#	Category				
				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				