

# TDOEHS860MA

## 4K STARLIGHT HDCVI IR EYEBALL CAMERA



### FEATURES:

- Starlight, 120dB True WDR, 3DNR
- Max. 4K resolution
- HD/SD switchable
- Audio in interface, built-in mic
- 3.7-11mm motorized lens
- Max. IR length 197ft, Smart IR
- IP67, DC12V±30%

# Specifications:

<b>Model</b>	<b>TDOEHS860MA</b>		
<b>Camera</b>			
Image Sensor	1/2" CMOS		
Effective Pixels	3840(H)x2160(V), 8MP		
Scanning System	Progressive		
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s		
Min. Illumination	0.005Lux/F1.5, 30IRE, 0Lux IR on		
S/N Ratio	More than 65dB		
IR Distance	Up to 197ft		
IR On/Off Control	Auto / Manual		
IR LEDs	2		
<b>Lens</b>			
Lens Type	Motorized lens / Fixed iris		
Mount Type	Board-in		
Focal Length	3.7-11mm		
Max Aperture	F1.5		
Angle of View	H: 112°~ 46°		
Focus Control	Auto / Manual		
Close Focus Distance	200mm 7.87"		
<b>DORI Distance</b>			
Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			
	DORI Definition	Distance	
		Wide	Tele
Detect	25px/m (8px/ft)	83m(272ft)	190m(623ft)
Observe	63px/m (19px/ft)	33m(108ft)	76m(249ft)

Recognize	125px/m (38px/ft)	17m(56ft)	38m(125ft)
Identify	250px/m (76px/ft)	8m(26ft)	19m(62ft)
<b>Pan / Tilt / Rotation</b>			
Pan/Tilt Range	Pan: 0° ~ 360°; Tilt: 0° ~ 78°, Rotation: 0° ~ 360°		
<b>Video</b>			
Resolution	8MP (3840x2160)		
Frame Rate	15fps@4K, 20fps@6MP, 25/30fps@4MP		
Video Output	1-channel BNC high definition video output / CVBS video output (DIP switch)		
Day/Night	Auto (ICR) / Manual		
OSD Menu	Multi-language		
BLC Mode	BLC / HLC / WDR		
WDR	120dB		
Gain Control	AGC		
Noise Reduction	2D/3D		
White Balance	Auto / Manual		
Smart IR	Auto / Manual		
<b>Certifications</b>			
Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)		
<b>Interface</b>			
Audio Interface	1ch in & Built-in Mic		
<b>Electrical</b>			
Power Supply	12V DC ±30%		
Power Consumption	Max 9.5W (12V DC, IR on)		
<b>Environmental</b>			
Operating Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH * Start up should be done at above -30°C (-22°F)		
Storage Conditions	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH		
Ingress Protection & Vandal Resistance	IP67		

<b>Construction</b>	
Casing	Aluminium
Dimensions	Φ122mm x 107mm (Φ4.8"x4.2")
Net Weight	0.59kg(1.3lb)
Gross Weight	0.69kg(1.52lb)

# Accessories:

Optional:



PFA130-E  
Junction box



PFB203W  
Wall mount



PFA152-E  
Pole mount



PFM321  
12V 1A Power Adapter






PFM320  
12V 2A Power Adapter



PFM800-E  
Passive HDCVI Balun



PFM320D-015  
Power Adapter

Junction Mount	Pole Mount
PFA130-E	PFB203W + PFA152-E
	
Wall Mount	
PFB203W	
	

## Dimensions:

