

TDOECS8502SA

4K STARLIGHT HDCVI IR EYEBALL CAMERA



FEATURES:

- Starlight, 120dB True WDR, 3DNR
- Max. 4K resolution
- HD/SD switchable
- Audio in interface, built-in mic
- HD and SD output switchable
- 2.8mm fixed lens
- Max. IR length 164ft, Smart IR
- IP67, DC12V±30%

Specifications:

Model	TDOECS8502SA	
Camera		
Image Sensor	1/2" CMOS	
Effective Pixels	3840(H)×2160(V), 8MP	
Scanning System	Progressive	
Electronic Shutter Speed	PAL: 1/4s~1/100,000s NTSC: 1/3s~1/100,000s	
Minimum Illumination	0.005Lux/F1.6, 30IRE, 0Lux IR on	
S/N Ratio	More than 65dB	
IR Distance	Up to 164ft	
IR On/Off Control	Auto / Manual	
IR LEDs	2	
Lens		
Lens Type	Fixed lens / Fixed iris	
Mount Type	Board-in	
Focal Length	2.8mm	
Max Aperture	F1.6	
Angle of View	H:110.8°	
Focus Control	Auto / Manual	
Close Focus Distance	1800mm (70.87")	
DORI Distance		
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
Detect	25px/m (8px/ft)	84m (276ft)
Observe	63px/m (19px/ft)	34m (112ft)
Recognize	125px/m (38px/ft)	17m (56ft)
Identify	250px/m (76px/ft)	8m (26ft)
Pan / Tilt / Rotation		
Pan/Tilt/Rotation	Pan: 0°~360° Tilt: 0°~70° Rotation: 0°~360°	
Video		
Resolution	8MP (3840×2160)	
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
Certifications	
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)
Interface	
Audio Interface	1ch in & Built-in Mic
Electrical	
Power Supply	12V DC±30%
Power Consumption	Max. 8W (12V DC, IR on)
Environmental	
Operating Conditions	-30°C~+60°C (-22°F~+140°F) / Less than 90% RH *Start 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
Structure	
Casing	Aluminum
Dimensions	Φ106mm×99.2mm (Φ4.17"×3.9")
Net Weight	0.5kg (1.10lb)
Gross Weight	0.62kg (1.37lb)

Accessories:

Optional:



PFA130-E
Junction box



PFB204W
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



PFM790
HDCVI External Power
Isolator



PFM322(Internal model)
DC12V 4*0.7A Centralized
Power Supply

Junction Mount	Pole Mount
PFA130-E	PFB204W + PFA152-E
Wall Mount	
PFB204W	

Dimensions:

