

5MP ColorHunter HD Fixed Turret Analog Camera

XD-500WL-28F



Introduction

XD-500WL-28F is a 5MP ColorHunter HD fixed turret analog camera with a high-performance 1/2.7-inch CMOS sensor. It supports TVI/AHD/CVI/CVBS, which effectively enhances product adaptability and diversity of networking solutions. With SYV-75-3 or other coaxial cable types, the camera can achieve low-cost, long-distance, and anti-interference mega-pixel HD video transmission without time delay. The camera supports audio input, synchronous transmission of audio and video, and 24/7 full-color imaging.

Features

- 5MP high quality imaging
- TVI/AHD/CVI/CVBS (default: TVI: 5MP@20fps)
- Supports white light illumination, 24/7 full-color imaging
- Supports 180° horizontal flip, 180° vertical flip
- OSD configuration menu, easy to operate
- IP67 waterproof and dustproof design, high reliability
- OSD configuration menu in 11 languages
- Built-in microphone for high quality audio transmission via coaxial cables
- Metal front face and housing

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Specifications

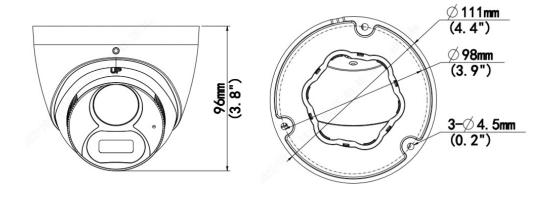
Sensor Pixel SMP Size 1/2.7" Minimum illumination 0.005lux (F1.4, AGC ON) 0.00 lux (white light on) Lens 2.8mm Lens mount M12 Angle of view H: 111.5" V: 58.9" D: 134.8" Illuminator Two white-light illuminators Illumination distance 40m Lifetime 260.000 hours Video 5MP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) Resolution 5MP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) AMD: 1920(H)×1400(V) 1080P 2925fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) Resolution 5MP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) AmD: 1920(H)×1400(V) 1080P 2925fps: 2592(H)×1944(V); 5MP@20fps: 4MP@20fps, 4MP@20fps, 4MP@20fps, 1080P@30fps, 1080P@30fps, 1080P@25fps Frame rate PM: 5MP@20fps: 4MP@20fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVIS: 5MP@25fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps 1080P@25fps White balance Four modes: Global (default), BLC, HLC, DWDR Day/Night 24/7 full-color imaging Digi	Model	XD-500WL-28F			
Size	Sensor				
Minimum illumination	Pixel	5MP			
Lens	Size	1/2.7"			
Lens mount	Minimum illumination	0.005lux (F1.4, AGC ON)			
Lens mount	Lens				
Angle of view H: 111.5" V: 58.9" D: 134.8" Illuminator Illuminator Two white-light illuminators Illumination distance 40m	Lens	2.8mm			
Illuminator Two white-light illuminators Illuminator Two white-light illuminators 40m 40m	Lens mount	M12			
	Angle of view	H: 111.5° V: 58.9° D: 134.8°			
Illumination distance 40m	Illuminator				
Lifetime 260,000 hours	Illuminator	Two white-light illuminators			
Video SMP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) 4MP: 2560(H)×1440(V) 1080P: 1920(H)×1080(V) TVI: 5MP@20fps (default), 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@30fps, 1080P@25fps AHD: 5MP@20fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVBS: PAL, NTSC Shutter time PAL: 1/25s-1/50000s NTSC: 1/30s-1/50000s NTSC: 1/30	Illumination distance	40m			
Resolution 5MP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) 4MP: 2560(H)×1440(V) 1080P: 1920(H)×1080(V) TWI: 5MP@20fps (default), 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps 1080P@25fps Frame rate AHD: 5MP@20fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps Shutter time PAL: 1/25s-1/50000s NTSC: 1/30s-1/50000s Image Exposure mode Four modes: Global (default), BLC, HLC, DWDR Day/Night 24/7 full-color imaging Digital noise reduction 2D White balance Two modes: Auto (default), Manual Modes WDR DWDR DWDR Flip Supports 180* horizontal flip, 180* vertical flip Audio Audio Microphone Built-in Mic Camera audio TVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps Interface Power 5.5x2,1mm power interface Video output BNC, supports TVI/AHD/CVI/CVBS Operating environment Temperature -30°C to 60°C <td>Lifetime</td> <td colspan="3">≥60,000 hours</td>	Lifetime	≥60,000 hours			
Resolution 4MP: 2560(H)×1440(V) 1080P: 1920(H)×1080(V) TVI: SMP@20fps (default), 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@30fps, 1080P@25fps AHD: 5MP@20fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVIS: 5MP@25fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVIS: 5MP@25fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVIS: PAL, NTSC Shutter time PAL: 1/25s-1/50000s Image Exposure mode Four modes: Global (default), BLC, HLC, DWDR Day/Night 24/7 full-color imaging Digital noise reduction 2D White balance Two modes: Auto (default), Manual WDR DWDR Flip Supports 180* horizontal flip, 180* vertical flip Audio Audio Microphone Built-in Mic Camera audio TVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps Interface Power Power 5.5x2,1mm power interface Video output BNC, supports TVI/AHD/CVI/CVBS Operating environment Temperature -30°C to 60°C Humidity 495% (RH, non-condensing)	Video				
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Day/Night 24/7 full-color imaging Digital noise reduction 2D White balance Two modes: Auto (default), Manual WDR DWDR Flip Supports 180° horizontal flip, 180° vertical flip Audio Microphone Built-in Mic Camera audio TVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps 1080P@30fps, 1080P@25fps Interface Power 5.5x2,1mm power interface Video output BNC, supports TVI/AHD/CVI/CVBS Operating environment Temperature -30°C to 60°C Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Image				
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Power 5.5x2,1mm power interface Video output BNC, supports TVI/AHD/CVI/CVBS Operating environment Temperature -30°C to 60°C Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Camera audio				
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Operating environment Temperature -30°C to 60°C Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Power	5.5x2,1mm power interface			
Temperature -30°C to 60°C Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Video output				
Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Operating environment				
Humidity ≤95% (RH, non-condensing) Surge protection 4kV	Temperature	-30°C to 60°C			
Surge protection 4kV	-	≤95% (RH, non-condensing)			
	Ingress protection	ss protection IP67			

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General			
Power	DC12V (±25%), with reverse polarity protection and surge protection. Max 3.28W		
Mount	Surface mount (default), optional junction box and wall mount bracket		
Dimensions	Ф111mmx96mm (diameter x height)		
Material	Metal and plastic		
Weight	356g		
Certification	CB, CE, FCC, UL		

Dimensions



Accessories

Accessory Model	Image	Remarks
TR-JB03-G-IN		Junction Box for Mini Fix-dome (Support wiring from behind) Φ108.6mm*38.5mm, sold separately
TR-WM03-D-IN		Fixed mini dome/fisheye mini dome/plastic turret camera wall mount bracket 126.42mm*125.57mm*183.37mm, sold separately

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