

# 2MP LightHunter HD IR Fixed Mini Bullet Analog Camera

## UAC-B122-AF28(40)LM



### Overview

UAC-B122-AF28(40)LM is a 2MP LightHunter HD IR fixed mini bullet analog camera with a high-performance 1/2.9-inch CMOS sensor and 3D noise reduction technology. 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. It supports IR-cut filter with auto-switch (ICR) and provides color images at daytime and black/white images at night. The camera also supports audio input and synchronous transmission of audio and video.

## **Features**

- High quality imaging with 2MP resolution
- TVI/AHD/CVI/CVBS
- Supports IR-cut filter with auto-switch (ICR)
- LightHunter monitoring with high-sensitivity sensor
- 3D noise reduction technology delivers clean and sharp images
- 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

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- Built-in microphone for high quality audio transmission via coaxial cables
- Supports digital defog

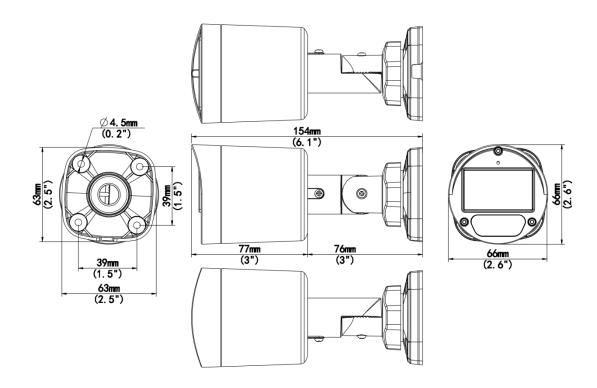
## Specifications

Camera           Max Resolution         2 MP           Sensor Size         1/2.9" CMOS           Min. Illumination         0.005 lux (FL6, AGC ON) olux (IR on)           Ceres           Expression of Min. Illumination           Focus         2.8 mm         4.0 mm           Lens Mount         M12         ————————————————————————————————————	Model	UAC-B122-AF28LM	UAC-B122-AF40LM		
Sensor Size         1/2.9" CMOS           Min. Illumination         0.005 lux (F1.6, AGC ON) olux (IR on)           Lens           Focus         2.8 mm         4.0 mm           Lens Mount         M12           Angle of View (I)         10.15"         83.8"           Angle of View (V)         56.9"         42.7"           Angle of View (V)         17.4"         100.1"           Illuminator           Number           Illuminators           Number           Lifetime         2 e0000 hours           Vote           Vote           Number           Illuminators           Number           Vote           Vote           Vote           Vote           Vote           Vote           Vote           Vote         Vote           Vote         Vote         Vote         Vote         Vote         Vote         Vote         Vote         Vote         Vote         Vote         Vote	Camera				
Min. Illumination of Loux (IR non)           Lens           Focus         2.8 mm         4.0 mm           Lens Mount         M12           Angle of View (IV)         56.9°         42.7°           Angle of View (W)         56.9°         42.7°           Angle of View (W)         117.4°         100.1°           Illuminator           Number           Illuminator           Number           Lifetim         260000 hours           Video           Video </td <td>Max Resolution</td> <td colspan="3">2 MP</td>	Max Resolution	2 MP			
Lens           Ecous         2.8 mm         4.0 mm           Lens Mount         M12           Angle of View (H)         10.15*         83.8*           Angle of View (W)         56.9*         42.7*           Angle of View (W)         117.4*         100.1*           Illuminator           Number         Woll Rilluminators           Ulumination         Adm           Distance         40m           Video           Video           Vision           Resolution         1809P: 1920(H)×1080(Y)           7209: 1280(H)×208(Y)         7209: 1280(H)×208(Y)           Frame Rate         1809P: 1920(H)×208(Y)           AHD: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps           Frame Rate         2012 (1981) (1980P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps           Shutter Time         PAL: 1/25s-1/50000s           Practical Filip         PAL: 1/25s-1/50000s           Practical Filip         20/30           Vision (default), BLC, HLC, DWDR           Digital Noise           Reduction         20/30           White Balance         Yow modes: Auto (default), Manual           Wite Balance </td <td>Sensor Size</td> <td colspan="3">1/2.9" CMOS</td>	Sensor Size	1/2.9" CMOS			
Disx   Resolution   Distance   Distance	Min Illumination	0.005 lux (F1.6, AGC ON)			
Focus         2.8 mm         4.0 mm           Lens Mount         M12           Angle of View (V)         56.9°         42.7°           Angle of View (D)         117.4°         100.1°           Illuminator         Illuminator           Number         Two IR illuminators           Illumination Distance         + Central Member           Lifetine         ≥ 60000 hours           Video           Video           Type: 1280(H) × 120(V)           Type: 1280(H) × 120(V) <tr< td=""><td>Mill. Illullillation</td><td colspan="3">0 lux (IR on)</td></tr<>	Mill. Illullillation	0 lux (IR on)			
Lens Mount         M12           Angle of View (H)         10.15°         83.8°           Angle of View (V)         56.9°         42.7°           Angle of View (D)         117.4°         100.1°           Illuminator           Illuminator           Illumination Distance         40m	Lens				
Angle of View (H)         101.5°         42.7°           Angle of View (D)         117.4°         100.1°           Illuminator           Number         Two IR illuminators           Illuminator         Two IR illuminators           Lifetime         ≥ 60000 hours           Video           Twi: 1080Pe; 1920(H)×1080(V)           720P: 1280(H) ×720(V)         720P: 1280(H) ×720(V)           Twi: 1080Pe;25fps, 1080Pe;30fps; 720Pe;25fps, 720Pe;30fps           AHD: 1080Pe;25fps, 1080Pe;30fps; 720Pe;25fps, 720Pe;30fps           AHD: 1080Pe;25fps, 1080Pe;30fps; 720Pe;25fps, 720Pe;30fps           Shutter Time         PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s           Shutter Time         PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s           Twister Model           Exposure Model         Four modes: Global (default), BLC, HLC, DWDR           Day/Night         Three modes: Auto (default), Apay, Night           Digital Noise Reduction         20/30           WDR         DWDR           Smart IR         Support           Flip         Supports 180*horizontal flip, 180*vertical flip           Opigital Defog         Supports	Focus	2.8 mm	4.0 mm		
Angle of View (V)         56.9°         42.7°           Angle of View (D)         117.4°         100.1°           Illuminator           Number         Two IR illuminators         Two IR illuminators           Distance         40m	Lens Mount	M12			
Angle of View (b)         117.4°         100.1°           Illuminator Number         Two IR illuminators         100 R illuminators           Illumination Distance         40m	Angle of View (H)	101.5°	83.8°		
Illuminator           Number         Two IR illuminators           Illumination         40m           Distance         \$ 60000 hours           Video           Resolution         1080P: 1920(H)×1080(V) 720P: 1280(H) ×720(V)           TVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps           AHD: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps           CVI: 1080P	Angle of View (V)	56.9°	42.7°		
Illuminator Number       Two IR illuminators         Illumination Distance       40m         Lifetime       ≥ 60000 hours         Video         Resolution       1080P: 1920(H)×1080(V) 720P: 1280(H) ×720(V)         Frame Rate       17V: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps 	Angle of View (D)	117.4°	100.1°		
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Distance         40m           Lifetime         \$ 60000 hours           Video           Resolution         1080P: 1920(H)×1080(V) 720P: 1280(H) ×720(V)           Frame Rate         TVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVIS: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVIS: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVIS: 1080P@25fps, 1080P@30fps           Shutter Time         PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s           Image           Exposure Mode         Four modes: Global (default), BLC, HLC, DWDR           Day/Night         Three modes: Auto (default), Day, Night           Digital Noise Reduction         2D/3D           White Balance         Two modes: Auto (default), Manual           WDR         DWDR           Smart IR         Support           Flip         Supports 180*horizontal flip, 180*vertical flip           Digital Defog         Support		Two IR illuminators			
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Resolution         1080P: 1920(H)×1080(V) 720P: 1280(H) ×720(V)           TVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps AHD: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVBS: PAL, NTSC           Shutter Time         PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s           Exposure Mode         Four modes: Global (default), BLC, HLC, DWDR           Day/Night         Three modes: Auto (default), Day, Night           Digital Noise Reduction         2D/3D           White Balance         Two modes: Auto (default), Manual           WDR         DWDR           Smart IR         Support           Flip         Supports 180°horizontal flip, 180°vertical flip           Digital Defog         Support	Lifetime	≥ 60000 hours			
Resolution720P: 1280(H) ×720(V)TVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fpsAHD: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fpsCVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fpsCVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fpsCVBS: PAL, NTSCShutter TimePAL: 1/25s-1/50000s NTSC: 1/30s-1/50000sImageExposure ModeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightDigital Noise Reduction2D/3DWhite BalanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180°horizontal flip, 180°vertical flipDigital DefogSupport	Video				
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Frame Rate CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVBS: PAL, NTSC  PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s  Image  Exposure Mode Four modes: Global (default), BLC, HLC, DWDR  Day/Night Three modes: Auto (default), Day, Night  Digital Noise Reduction White Balance Two modes: Auto (default), Manual  WDR DWDR  Smart IR Support  Flip Supports 180°horizontal flip, 180°vertical flip  Digital Defog Support		TVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps			
CVI: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps CVBS: PAL, NTSC  Shutter Time PAL: 1/25s-1/50000s, NTSC: 1/30s-1/50000s  Image  Exposure Mode Four modes: Global (default), BLC, HLC, DWDR  Day/Night Three modes: Auto (default), Day, Night  Digital Noise Reduction White Balance Two modes: Auto (default), Manual  WDR DWDR  Smart IR Support  Flip Supports 180°horizontal flip, 180°vertical flip  Digital Defog Support		AHD: 1080P@25fps, 1080P@30fps; 720P@25fps, 720P@30fps			
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Shutter Time NTSC: 1/30s-1/50000s  Image  Exposure Mode Four modes: Global (default), BLC, HLC, DWDR  Day/Night Three modes: Auto (default), Day, Night  Digital Noise Reduction  White Balance Two modes: Auto (default), Manual  WDR DWDR  Smart IR Support  Flip Supports 180°horizontal flip, 180°vertical flip  Digital Defog Support		CVBS: PAL, NTSC			
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Exposure Mode Four modes: Global (default), BLC, HLC, DWDR  Day/Night Three modes: Auto (default), Day, Night  Digital Noise Reduction 2D/3D  White Balance Two modes: Auto (default), Manual  WDR DWDR  Smart IR Support  Flip Supports 180°horizontal flip, 180°vertical flip  Digital Defog Support		NTSC: 1/30s-1/50000s			
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Smart IRSupportFlipSupports 180°horizontal flip, 180°vertical flipDigital DefogSupport	White Balance	Two modes: Auto (default), Manual			
Flip Supports 180°horizontal flip, 180°vertical flip Digital Defog Support	WDR	DWDR			
Digital Defog Support	Smart IR	Support			
	Flip	Supports 180°horizontal flip, 180°vertical flip			
Audio	Digital Defog	Support			
	Audio				

unv		DATASHEET		
Built-in Mic	Support			
Camera Audio	TVI: 1080P@25fps, 1080P@30fps			
	CVI: 1080P@25fps, 1080P@30fps			
Interface				
Power Interface	5.5 mm Power Interface			
Video Output	BNC, supports TVI/AHD/CVI/CVBS			
Operating Environment				
Temperature	-30°C to 60°C (-22°F to 140°F)			
Humidity	≤ 95% RH (non-condensing)			
Surge Protection	4 KV for power, 4 KV for video output interfaces			
Ingress Protection	IP67			
General				
Power	DC 12 V ± 25%			
Power	MAY 2 OW			
Consumption	MAX 3.2W			
Mount	Corner Mount, Pole Mount			
Dimensions	154mm*66mm*66mm (L*W*H)			
Material	Graphene + Metal + Plastic			
Weight	240g(0.53lb)			



## **Dimensions**



## Accessories

TR-JB05-A-IN
Small Bullet Junction Box(Support wiring from behind,Square)



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UP06-B-IN
Bullet Pole Mounting Bracket



Bullet&Dome Corner Mounting Bracket

TR-UC08-C



TR-UP06-C-IN
Pole Mounting Bracket for Bullet Junction
Box Only



PWR-DC1201A-UK
DC12V/1A Wall Plug British Standard Power
Adapter







PWR-DC1201B-UK

UNV DC12V/1A Wall Plug British Standard
Power Adapter(Colorful Bag)



PWR-DC1201B-US

UNV DC12V/1A Wall Plug American

Standard Power Adapter(Colorful Bag)



PWR-DC1201A-EU

DC12V/1A Wall Plug European Standard

Power Adapter



PWR-DC1201B-EU
UNV DC12V/1A Wall Plug European
Standard Power Adapter(Colorful Bag)



PWR-DC1201A-IND

UNV DC12V/1A Wall Plug Indian Standard

Power Adapter-Colorful Bag







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