

# 2MP LightHunter HD IR Fixed Mini Bullet Analog Camera

## UAC-B122-AF28(40)LM





## Introduction

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

1



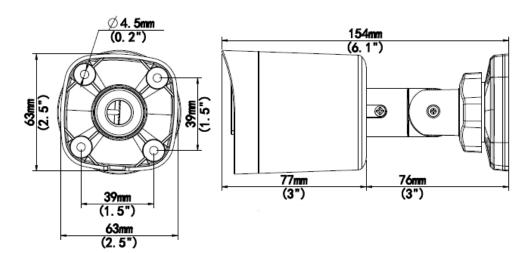
# **Specifications**

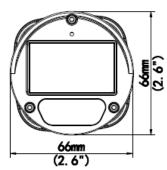
Pixel         2MP           Size         1/2.9°           Minimum illumination         0.005 lax (FL6, AGC ON)           0 lux (IR ON)         0.005 lux (FL6, AGC ON)           Lens         2.8mm         4.0mm           Lens mount         M12           Angle of view         H: 101.5° V: 56.9° D: 117.4°         H: 83.8° V: 42.7° D: 100.1°           Illuminator         Illuminator           Illuminator         Illuminator           Uifetime         ≥60,000 hours           Video         Video           Video	Model	UAC-B122-AF28LM	UAC-B122-AF40LM	
1/2.9°   1/2.9°   0.005 kux (F1.6, AGC ON)   0 kux (IR ON)	Sensor			
Minimum illumination   0.005 lux (F1.6, AGC ON)   0 lux (IR	Pixel	2MP		
Lens	Size	1/2.9"		
Lens 2.8mm	Minimum illumination	0.005 lux (F1.6, AGC ON)		
M12	Lens			
Angle of view H: 101.5° V: 56.9° D: 117.4° H: 83.8° V: 42.7° D: 100.1°	Lens	2.8mm	4.0mm	
Illuminator Two IR illuminators Illuminator Two IR illuminators Illumination distance Lifetime 260,000 hours Video Video Video TVIAHD/CVI: 1080P@25fps (default), 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 2D/3D White balance Two modes: Auto (default), Manual WDR DWDR Smart IR Support Supports 180° horizontal flip, 180° vertical flip Defog Digital Defog Audio Microphone Built-in Mic Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface Power 5.5mm 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 IP67	Lens mount	M12		
Illuminator   Two IR illuminators   Illuminators   Illumination distance   40m   260,000 hours   260,000 ho	Angle of view	H: 101.5° V: 56.9° D: 117.4°	H: 83.8° V: 42.7° D: 100.1°	
Illumination distance   260,000 hours	Illuminator			
Lifetime	Illuminator	Two IR illuminators		
Nideo  Resolution   1080P: 1920(H)×1080(V)   720P: 1280(H)×720(V)   Frame rate   CVBs: PAL, NTSC   Shutter time   PAL: 1/25s-1/50000s   NTSC: 1/30s-1/50000s   PAL: 1/25s-1/50000s   NTSC: HOURD   PAL: 1/25s-1/50000s   PAL: 1/25s-1/50000s   NTSC: HOURD   PAL: 1/25s-1/50000s   PAL: 1/25s-1/50000s   NTSC: HOURD   PAL: 1/25s-1/50000s   PAL: 1/25s-1/5000s   PAL: 1	Illumination distance	40m		
Resolution 1080P: 1920(H) ×1080(V) 720P: 1280(H) ×720(V)  Frame rate TV/AHD/CVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps CVBS: PAL, NTSC  Shutter time PAL: 1/25s-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  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power S.5mm 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 IP67	Lifetime	≥60,000 hours		
Resolution 720P: 1280(H) ×720(V)  Frame rate 7VI/AHD/CVI: 1080P@25fps (default), 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 2D/3D  White balance Two modes: Auto (default), Manual  WDR DWDR  Smart IR Support  Flip Supports 180° horizontal flip, 180° vertical flip  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CV: 1080P@25fps, 1080P@30fps Interface  Power S.5mm 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 IP67	Video			
Frame rate  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  ZD/3D  White balance  Two modes: Auto (default), Manual  WDR  DWDR  Smart IR  Support  Flip  Supports 180° horizontal flip, 180° vertical flip  Defog  Digital Defog  Audio  Microphone  Built-in Mic  Camera audio  TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power  S.5mm 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  IP67	Resolution			
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  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power 5.5mm 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 IP67	Frame rate	·		
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  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps  Interface  Power 5.5mm 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 IP67	Shutter time			
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  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TV: 1080P@25fps, 1080P@30fps CV: 1080P@25fps, 1080P@30fps Interface  Power 5.5mm 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 IP67	Image			
Digital noise reduction  White balance  Two modes: Auto (default), Manual  WDR  DWDR  Smart IR  Support  Flip  Supports 180° horizontal flip, 180° vertical flip  Defog  Digital Defog  Audio  Microphone  Built-in Mic  TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power  S.5mm 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  IP67	Exposure mode	Four modes: Global (default), BLC, HLC, DWDR		
White balance  Two modes: Auto (default), Manual  WDR  DWDR  Smart IR  Support  Flip  Supports 180° horizontal flip, 180° vertical flip  Defog  Digital Defog  Audio  Microphone  Built-in Mic  TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps  Interface  Power  5.5mm 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  IP67	Day/Night	Three modes: Auto (default), Day, Night		
WDR  Smart IR  Support  Flip  Supports 180° horizontal flip, 180° vertical flip  Defog  Digital Defog  Audio  Microphone  Built-in Mic  TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power  S.5mm 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  IP67	Digital noise reduction	2D/3D		
Smart IR Supports   Flip Supports 180° horizontal flip, 180° vertical flip   Defog Digital Defog   Audio   Microphone Built-in Mic   Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps   Interface   Power 5.5mm 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 4kV   Ingress protection IP67	White balance	Two modes: Auto (default), Manual		
Flip Supports 180° horizontal flip, 180° vertical flip  Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps Interface  Power 5.5mm 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 4kV  Ingress protection IP67	WDR	DWDR		
Defog Digital Defog  Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps  Interface  Power 5.5mm 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 IP67	Smart IR	Support		
Audio  Microphone Built-in Mic  Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps  Interface  Power 5.5mm 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 4kV  Ingress protection IP67	Flip	Supports 180° horizontal flip, 180° vertical flip		
Microphone Built-in Mic   Camera audio TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps   Interface   Power 5.5mm 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 4kV   Ingress protection IP67	Defog	·		
TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps  Interface  Power 5.5mm 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 4kV  Ingress protection IP67	Audio			
CVI: 1080P@25fps, 1080P@30fps  Interface  Power 5.5mm 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 4kV  Ingress protection IP67	Microphone	Built-in Mic		
Power 5.5mm 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 4kV  Ingress protection IP67	Camera audio	·		
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 4kV   Ingress protection IP67	Interface			
Operating environment       Temperature     -30°C to 60°C (-22°F to 140°F)       Humidity     ≤95% (RH, non-condensing)       Surge protection     4kV       Ingress protection     IP67	Power	5.5mm power interface		
Temperature -30°C to 60°C (-22°F to 140°F)  Humidity ≤95% (RH, non-condensing)  Surge protection 4kV  Ingress protection IP67	Video output	BNC, supports TVI/AHD/CVI/CVBS		
Humidity     ≤95% (RH, non-condensing)       Surge protection     4kV       Ingress protection     IP67	Operating environment			
Surge protection 4kV Ingress protection IP67	Temperature	-30°C to 60°C (-22°F to 140°F)		
Ingress protection IP67	Humidity	≤95% (RH, non-condensing)		
Ingress protection IP67	Surge protection	4kV		
	Ingress protection	IP67		
	General			



Power	DC 12V (±25%), with reverse polarity protection, Max 3.2W	
Mount	3D bracket supplied, surface mount (default), optional backbox, pole mount bracket	
Dimensions	154mm*66mm*66mm (L*W*H)	
Material	Metal+Plastic	
Weight	240g (0.53lb)	
Certification	CE, FCC, UL	

# **Dimensions**





UAC-B122-AF28(40)LM

## Accessories

TR-JB05-A-IN
Junction Box



TR-UC08-C
Corner mount



TR-UP06-B-IN
Pole Mount



Wall Plug-in UK Power Adapter

PWR-DC1201A-UK



TR-UP06-C-IN

Pole Mount



PWR-DC1201A-US
Wall Plug-in US Power
Adapter



TR-A01-IN

Waterproof joint



PWR-DC1201A-EU

Wall Plug-in EU Power Adapter





Mount		
TR-UP06-B-IN	TR-JB05-A-IN+TR-UP06-C-IN	
TR-JB05-A-IN+TR-UC08-C		

#### Zhejiang Uniview Technologies Co., Ltd.

Building No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, Zhejiang Province, China (310051)

Email: overseasbusiness@uniview.com; globalsupport@uniview.com

https://www.uniview.com

©2023 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

<sup>\*</sup>Product specifications and availability are subject to change without notice.