

# 2MP Fixed IR Bullet Analog Camera

### UAC-B112-AF28(40)



### Introduction

UAC-B112-AF28(40) is a 2MP fixed IR bullet analog camera with a high-performance 1/3-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**

- 2MP high quality image
- TVI/AHD/CVI/CVBS
- Supports IR-cut filter with auto-switch (ICR)
- 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

1



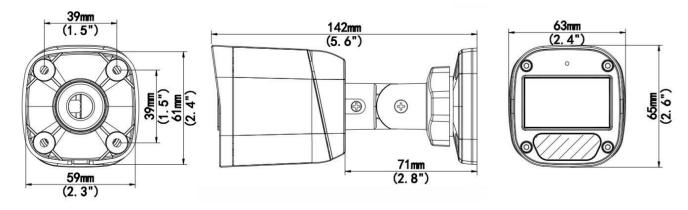
# **Specifications**

Sericor   1/3"	Model	UAC-B112-AF28	UAC-B112-AF40			
Size         1/3"           Minimum illumination         002 lux (F2.0, AGC ON)           Minimum illumination         002 lux (R ON)           Lens         2.8mm         4.0mm           Lens mount         M12           Angle of view         H.90"s" v.49.6" D: 109.5"         H.80.2" v.40.7" D: 90.5"           Illuminator         One IR illuminator           Illumination distance         20m           Video         20m           Video         20m           Video         20m           Video           Video         Video	Sensor					
Name	Pixel	2MP				
	Size	1/3"				
Lens mount   M12	Minimum illumination					
Lens mount	Lens					
Angle of view H: 90.5° V: 49.6° D: 109.5° H: 80.2° V: 40.7° D: 90.5°	Lens	2.8mm 4.0mm				
Illuminator	Lens mount	M12				
Illuminator	Angle of view	H: 90.5° V: 49.6° D: 109.5° H: 80.2° V: 40.7° D: 90.5°				
Illumination distance   20m   260,000 hours	Illuminator					
Lifetime       ≥60,000 hours         Video         Resolution       1080P: 1920(H) × 1280(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 NTSC: 1/30s-1/50000s         Image         Exposure mode       Four modes: Global (default), BLC, HLC, DWDR         Day/Night       Three modes: Auto (default), Day, Night         Upigital noise reduction       2D/3D         White balance       Two modes: Auto (default), Manual         WDR       DWDR         Smart IR       Support         Flip       Supports 180° horizontal flip, 180° vertical flip         Microphone       Built-in Mic         Camera audio       TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps         Interface         Video output       B.NC, 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	Illuminator	One IR illuminator				
Video       Resolution     1080P: 1920(H) ×1080(V) 720P: 1280(H) ×720(V)       Frame rate     TVI/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     PAL: 1/25s-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       Defog     N/A       Audio       Microphone     Built-in Mic       Camera audio     TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps CVI: 1080P@25fps, 1080P@30fps       CVI: 1080P@25fps, 1080P@30fps     CVI: 1080P@25fps, 1080P@30fps       Video output     BNC, supports TVI/AHD/CVI/CVBS       Operating environment       Fremperature     -30°C to 60°C (-22°F to 140°F)       Humidity     \$95% (RH, non-condensing)       Surge protection     4kV	Illumination distance	20m				
Resolution         1080P: 1920(H)×1080(V) 720P: 1280(H) ×720(V)           Frame rate         TVI/AHD/CVI: 1080P@25fps (default), 1080P@30fps; 720P@25fps, 720P@30fps CVBS: PAI, NTSC: VDBS: PAI, NTSC: 1/30s-1/50000s           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         N/A           Audio           Microphone         Built-in Mic           Camera audio         TVI: 1080P@25fps, 1080P@30fps CVI: 1080P@30fps           CVI: 1080P@25fps, 1080P@30fps         CVI: 1080P@25fps, 1080P@30fps           Video output         BNC, supports TVI/AHD/CVI/CVBS           Coperating environment           Temperature         -30°C to 60°C (-22°F to 140°F)           Humidity         ≤95% (RH, non-condensing)           Surge protection         4kV	Lifetime	≥60,000 hours				
Resolution       720P: 1280(H) ×720(V)         Frame rate       TVI/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       N/A         Audio         Microphone       Built-in Mic         Camera audio       TVI: 1080P@25fps, 1080P@30fps         CVI: 1080P@25fps, 1080P@30fps       CVI: 1080P@25fps, 1080P@30fps         Urideo 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	Video					
Frame rate  CVBS: PAL, NTSC  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  DWDR  White balance  Two modes: Auto (default), Manual  WDR  DWDR  Smart IR  Support  Flip  Supports 180° horizontal flip, 180° vertical flip  Defog  N/A  Audio  Microphone  Built-in Mic  Camera audio  TVI: 1080P@25fps, 1080P@30fps CVI: 080P@25fps, 1080P@30fps CVI: 080P@25fps	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 N/A  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  General	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 N/A  Audio  Microphone Built-in Mic  Camera audio TV: 1080P@25fps, 1080P@30fps CV: 1080P@25fps, 1080P@30fps CV: 1080P@25fps, 1080P@30fps  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  General	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       N/A         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       4kV	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  N/A  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  4kV  General	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 N/A   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	Day/Night	Three modes: Auto (default), Day, Night				
MDR DWDR Smart IR Support Flip Supports 180° horizontal flip, 180° vertical flip Defog N/A  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  General	Digital noise reduction	2D/3D				
Smart IR Supports   Flip Supports 180° horizontal flip, 180° vertical flip   Defog N/A   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	White balance	Two modes: Auto (default), Manual				
Flip Supports 180° horizontal flip, 180° vertical flip  Defog N/A  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  General	WDR	DWDR				
Defog N/A    Audio  Microphone  Built-in Mic  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  General	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 -30°C to 60°C (-22°F to 140°F)   Humidity ≤95% (RH, non-condensing)   Surge protection 4kV   General	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   General	Defog	N/A				
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  General	Audio					
Camera 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  General	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  General	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         General	Interface					
Operating environment       Temperature     -30°C to 60°C (-22°F to 140°F)       Humidity     ≤95% (RH, non-condensing)       Surge protection     4kV       General	Power	5.5mm power interface				
Temperature -30°C to 60°C (-22°F to 140°F)  Humidity ≤95% (RH, non-condensing)  Surge protection 4kV  General	Video output					
Humidity ≤95% (RH, non-condensing)  Surge protection 4kV  General	Operating environment					
Surge protection 4kV  General	Temperature	-30°C to 60°C (-22°F to 140°F)				
General	Humidity	≤95% (RH, non-condensing)				
General	Surge protection	4kV				
Power DC 12V (±25%), with reverse polarity protection, Max 2.2W	General					
	Power	DC 12V (±25%), with reverse polarity protection, Max 2.2W				



Mount	Surface mount (default), optional backbox, pole mount bracket	
Dimensions	142mm*63mm*65mm (L*W*H)	
Material	Plastic	
Weight	135g(0.30lb)	
	11 Languages	
OSD menu language	English, German, Spanish(Latin America), French, Italian, Japanese, Korean, Polish, Portuguese(Brazil), Russian, Turkish	
Certification		
EMC	CE-EMC (EN 55032,EN 61000-3-3,EN IEC 61000-3-2,EN 55035)	
	FCC (FCC 47 CFR part15 B)	
Safety	CE-LVD (EN 62368-1)	
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)	
Protection	IP67 (IEC 60529)	

## **Dimensions**



UAC-B112-AF28(40)

### Accessories

Wall Plug-in UK

**Power Adapter** 

Wall Plug-in US

**Power Adapter** 

TR-JB05-A-IN	TR-UP06-B-IN	TR-UP06-C-IN	TR-A01-IN	TR-UC08-C
Junction Box	Pole Mount	Pole Mount	Waterproof Joint	Corner Mount
PWR-DC1201A-UK,	PWR-DC1201A-US,	PWR-DC1201A-EU,	PWR-DC1201A-IND	
PWR-DC1201B-UK	PWR-DC1201B-US	PWR-DC1201B-EU		

Wall Plug-in EU

**Power Adapter** 

Wall Plug-in IND

**Power Adapter** 











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

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