UNV

5MP LightHunter HD IR Fixed Dome Analog Camera

UAC-D125-AF28(40)M



Overview

UAC-D125-AF28(40)M is a 5MP LightHunter HD IR fixed dome 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. 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 5MP resolution
- TVI/AHD/CVI/CVBS
- Supports IR-cut filter with auto-switch (ICR)
- LightHunter monitoring with high-sensitivity sensor
- Supports 180° horizontal/vertical flip
- OSD configuration menu, easy to operate
- Water and dust resistant (IP67) and vandal-resistant (IK10)
- OSD configuration menu in 11 languages
- Built-in microphone for high quality audio transmission via coaxial cables
- Metal base and metal housing
- 3-Axis

Specifications

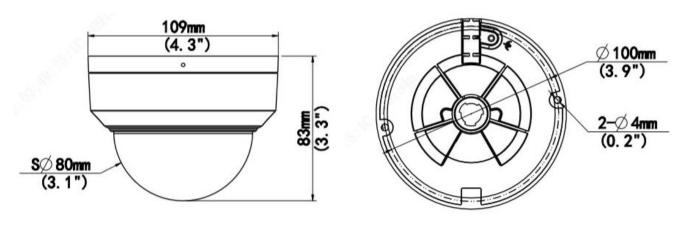
Pixel SMP Size 1/2.7" ODDS Lux (F1.6, AGC ON) 0 Lux (R on) 0.005 Lux (R on) Lens 4.0mm Lens 2.8mm 4.0mm Lens 2.8mm 4.0mm Lens 4.0mm 4.0mm Lens H: 109,1* V: 60,9* D: 126,7* H: 91,3* V: 46,1* D: 109,6* Illuminator 30m	Model	UAC-D125-AF28M	UAC-D125-AF40M	
Size 1/2.7* Minimum illumination 0.005 lux (FL6, AGC ON) 0 lux (R on) Lens 4.0mm Lens mount M12 Angle of view H: 109.1° V: 00.9° D: 126.7° H: 91.3° V: 46.1° D: 109.6° Illuminator One IR illuminator H: 109.1° V: 60.9° D: 126.7° H: 91.3° V: 46.1° D: 109.6° Illuminator One IR illuminator Illuminator Illuminator Illuminator One IR illuminator 30m Illuminator Illuminator One IR illuminator Illuminator Illuminator Resolution SMP@25fp: 2880(H) × 1620(V); SMP@20fps: 2592(H) × 1944(V); SMP@12.5fps: 2592(H) × 1944(V) MAM: YIE: SMP@20fps; SMP@12.5fps, 4MP@20fps; 1080P@30fps View Resolution SMP@25fps: SMP@12.5fps, 4MP@30fps, 1080P@30fps View@20fps; SMP@12.5fps, 4MP@25fps, 1080P@25fps Frame rate TV: NTSC: SMP@20fps, 4MP@25fps, 1080P@25fps View@20fps; View@20fp	Sensor	•		
0.005 lux (F1.6, AGC ON) 0 lux (IR on) 0.005 lux (F1.6, AGC ON) 0 lux (IR on) Lens 4.0mm Lens 2.8mm 4.0mm Lens mount M12 1.0000 Angle of view H: 91.3" V: 66.1" D: 109.6" 1.0000 Illuminator One IR Illuminator 10000 1.0000 Illuminator One IR Illuminator 30m	Pixel	5MP		
Minimu illumination 0 lux (IR on) Lens 2.8mm 4.0mm Lens 2.8mm 4.0mm Lens mount M12 M12 Angle of view H: 109.1* V: 60.9* D: 126.7* H: 91.3* V: 46.1* D: 109.6* Illuminator One IR illuminator Illuminator Illuminator distance 30m	Size	1/2.7"		
Lens 2.8mm 4.0mm Lens mount M12 Angle of view H: 19.1° V: 60.9° D: 126.7° H: 91.3° V: 46.1° D: 109.6° Illuminator One IR illuminator Illuminator 30m	Minimum illumination			
Lens mount M12 Angle of view H: 109.1° V: 60.9° D: 126.7° H: 91.3° V: 46.1° D: 109.6° Illuminator One IR Illuminator Illuminator SMP@25/ps: 2580(H) × 1620(V); SMP@20fps: 2592(H) × 1944(V); SMP@12.5fps: 2592(H) × 1944(V) MdP: 2560(H) × 1440(V) 1080P: 1920(H) × 1080(V) SMP@25/ps: 2592(H) × 1944(V); SMP@12.5fps: 2592(H) × 1944(V); SMP@12.5fps: 2592(H) × 1944(V) MdP: 2560(H) × 1080(V) TV: NTSC: SMP@20fps; default), 5MP@12.5fps, 1080P@30fps Fame rate SMP@25/ps; SMP@12.5fps, 1080P@30fps NTSC: SMP@20fps, 4MP@25fps, 1080P@30fps Frame rate PAL: SMP@20fps, 4MP@25fps, 1080P@30fps SMP@25fps, 4MP@25fps, 1080P@30fps Frame rate PAL: SMP@20fps, 4MP@25fps, 1080P@30fps SMP@25fps Frame rate PAL: SMP@20fps, 4MP@25fps, 1080P@30fps SMP@25fps Frame rate PAL: 1200*576 SMPG25fps SMP@22fps Shutter time NTSC: 1/30s-1/50000S PAL: MP@22fps SMPG2 PAL: 1/25*-1/50000S PAL: 1/25*-1/50000S PAL: 1/25*-1/50000S PAL: 1/25*-1/50000S PAL: 1/25*-1/50000S PAL: 1/25* Shytter time Di: 1/25*-1/50000S SMP@	Lens			
Angle of view H: 109.1° V: 60.9° D: 126.7° H: 91.3° V: 46.1° D: 109.6° Illuminator One IR illuminator 30m	Lens	2.8mm	4.0mm	
Illuminator One IR illuminator Illuminator 30m Illumination distance 30m Lifetime >60,000 hours Video SMP@25fps: 2880(H) × 1620(V); SMP@20fps: 2592(H) × 1944(V); SMP@12.5fps: 2592(H) × 1944(V) Mr: 2560(H) × 1440(V) 1080P: 1920(H) × 1080(V) TVI: NTSC: SMP@20fps, SMP@12.5fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, SMP@12.5fps, 1080P@30fps PAL: SMP@20fps, 5MP@12.5fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps Shutter time PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: 1/25s-1/50000s PAL: 1/25s-1/50000s Image Exposure mode Four modes: Global (default), BLC, HLC, DWDR Day/Night Three modes: Auto (default), Manual WD	Lens mount	M12		
Illuminator One IR illuminator Illumination distance 30m Lifetime ≥60,000 hours Video SMP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) Resolution SMP@25fps: 2880(H)×1620(V); 5MP@20fps: 2592(H)×1944(V); 5MP@12.5fps: 2592(H)×1944(V) MMP: 2560(H)×11800(V) 1080P: 1920(H)×1080(V) TVI: NTSC: 5MP@20fps(default), SMP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, default), SMP@12.5fps, 1080P@25fps AHD: NTSC: SMP@20fps, 4MP@20fps, 1080P@30fps PAL: 5MP@20fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 4MP@20fps, 1080P@30fps PAL: 5MP@20fps, 4MP@30fps, 1080P@30fps VVI: NTSC: SMP@20fps, 4MP@30fps, 1080P@30fps NTSC: 120°-480 PAL: 5MP@25fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 4MP@30fps Shutter time PAL: 125s-1/50000s Image Exposure mode Four modes: Global (default), BLC, HLC, DWDR Day/Night Three modes: Auto (default), BLC, HLC, DWDR Day/Night Three modes: Auto (default), Manual WDR DWDR Smart IR Support Sing out Support Flip Supp	Angle of view	H: 109.1° V: 60.9° D: 126.7°	H: 91.3° V: 46.1° D: 109.6°	
Illumination distance 30m Lifetime ≥60,000 hours Video SMP@25fps: 2880(H)×1620(V); SMP@20fps: 2592(H)×1944(V); SMP@12.5fps: 2592(H)×1944(V) Resolution SMP@25fps: 2880(H)×1620(V); SMP@20fps: 2592(H)×1944(V); SMP@12.5fps: 2592(H)×1944(V) MP: 2560(H)×1080(V) 1080P: 1920(H)×1080(V) TVI: NTSC: SMP@20fps, SMP@12.5fps, 4MP@30fps, 1080P@30fps NTSC: SMP@20fps, SMP@12.5fps, 1080P@30fps AHD: NTSC: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps VTSC: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@30fps SMUES NTSC: 1/300-480 PAL: 1225-1/50000S Image VTSC: 1/30s-1/50000S PAL: 1225-1/50000S Image VTMemodes: Auto (default), BLC, HLC, DWDR Demodes: Auto (default), Day, Night Noise reduction 2D ZD WMR Smart IR Support Supports 180° horizontal flip, 180° vertical flip	Illuminator			
Lifetime260,000 hoursVideoSMP@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)ResolutionTVI: NTSC: 5MP@20fps(default), 5MP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 5MP@212.5fps, 4MP@25fps 1080P@25fpsFrame rateFriame rateFrame rateNTSC: 5MP@20fps, 4MP@20fps, 1080P@25fps CVI: NTSC: 5MP@225fps, 4MP@20fps, 1080P@25fps CVI: NTSC: 5MP@225fps, 4MP@25fps, 1080P@25fps CVI: NTSC: 5MP@225fps, 4MP@20fps, 1080P@25fps CVI: NTSC: 5MP@225fps, 1080P@25fps CVI: NTSC: 5MP@25fps, 1080P@25fps 	Illuminator	One IR illuminator		
Video SMP@25fps: 2880(H) × 1620(V); 5MP@20fps: 2592(H) × 1944(V); 5MP@12.5fps: 2592(H) × 1944(V) Resolution 3MP.@256(H) × 1620(V); 5MP@20fps: 2592(H) × 1944(V); 5MP@12.5fps: 2592(H) × 1944(V) MP: 256(H) × 1080(V) 1080P: 1920(H) × 1080(V) Frame rate VI: Frame rate NTSC: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 4MP@20fps, 1080P@30fps PAL: 5MP@20fps, 4MP@20fps, 1080P@30fps PAL: 5MP@20fps, 4MP@20fps, 1080P@25fps CVI: NTSC: 5MP@25fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 4MP@30fps, 1080P@30fps PAL: 1205*76 Shutter time NTSC: 1/30s-1/50000s PAL: 1205*76 Shutter time NTSC: 1/30s-1/50000s PAL: 1205*76 Shutter time NTSC: 1/30s-1/50000s PAL: 1205*76 Supsoure mode Four modes: Global (default), BLC, HLC, DWDR Day/Night Three modes: Auto (default), Day, Night Noise reduction 2D White balance Two modes: Auto (default), Manual WDR Support Sinart IR Support <td>Illumination distance</td> <td colspan="2">30m</td>	Illumination distance	30m		
SMP@25fps: 2880(H)×1620(V); SMP@20fps: 2592(H)×1944(V); SMP@12.5fps: 2592(H)×1944(V) 4MP: 2560(H)×1440(V) 1080P: 1920(H)×1080(V)TVI: TVI: TVI: TVI: NTSC: 5MP@20fps(default), SMP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 5MP@12.5fps, 4MP@25fps, 1080P@25fps AHD: NTSC: 5MP@20fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 1080P@25fps CVI: NTSC: 1200*480 PAL: 1200*576Shutter timeNTSC: 1/30s-1/50000s PAL: 1200*576TmageExposure modeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightNoise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRSupportSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioWicrophoneBuilt-in MicCamera audioTVI: SMP@20fps, SMP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@25fps CVI: SMP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps	Lifetime	≥60,000 hours		
SMP@25fps: 2880(H)×1620(V); SMP@20fps: 2592(H)×1944(V); SMP@12.5fps: 2592(H)×1944(V) 4MP: 2560(H)×1440(V) 1080P: 1920(H)×1080(V)TVI: TVI: TVI: TVI: NTSC: 5MP@20fps(default), SMP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 5MP@12.5fps, 4MP@25fps, 1080P@25fps AHD: NTSC: 5MP@20fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 1080P@25fps CVI: NTSC: 1200*480 PAL: 1200*576Shutter timeNTSC: 1/30s-1/50000s PAL: 1200*576TmageExposure modeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightNoise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRSupportSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioWicrophoneBuilt-in MicCamera audioTVI: SMP@20fps, SMP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@25fps CVI: SMP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps	Video	·		
Frame rateNTSC: SMP@20fps(default), SMP@12.5fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, SMP@12.5fps, 4MP@25fps, 1080P@25fps AHD: NTSC: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@20fps, 4MP@25fps, 1080P@25fps CVI: NTSC: SMP@20fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@25fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@30fps, 1080P@30fps PAL: SMP@25fps, 4MP@25fps, 1080P@30fps PAL: SMP@25fps, 4MP@25fpsShutter timeNTSC: 120°480 PAL: 120°576Exposure modeNTSC: 1/30s-1/50000s PAL: 1/25s-1/50000s PAL: 1/25s-1/50000sImageExposure modeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightNoise reduction2DWDRTwo modes: Auto (default), ManualWDRSupportSmart IRSupports 180° horizontal flip, 180° vertical flipRutoJuports 180° horizontal flip, 180° vertical flipAudioVI: SMP@20fps, SMP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fpsCamera audioNVI: SMP@20fps, SMP@12.5fps, 4MP@30fps, 4MP@25fps	Resolution	4MP: 2560(H)×1440(V)		
Shutter timePAL: 1/25s-1/50000sImageExposure modeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightNoise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@225fps, 4MP@30fps, 4MP@25fps	Frame rate	NTSC: 5MP@20fps(default), 5MP@12.5fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 5MP@12.5fps, 4MP@25fps, 1080P@25fps AHD: NTSC: 5MP@20fps, 4MP@30fps, 1080P@30fps PAL: 5MP@20fps, 4MP@25fps, 1080P@25fps CVI: NTSC: 5MP@25fps, 4MP@30fps, 1080P@30fps PAL: 5MP@25fps, 4MP@25fps, 1080P@25fps CVBS: NTSC: 1200*480 PAL: 1200*576		
Exposure modeFour modes: Global (default), BLC, HLC, DWDRDay/NightThree modes: Auto (default), Day, NightNoise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Shutter time			
Day/NightThree modes: Auto (default), Day, NightNoise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Image			
Noise reduction2DWhite balanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Exposure mode			
White balanceTwo modes: Auto (default), ManualWDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Day/Night	Three modes: Auto (default), Day, Night		
WDRDWDRSmart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioAudioMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Noise reduction	2D		
Smart IRSupportFlipSupports 180° horizontal flip, 180° vertical flipAudioMicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	White balance	Two modes: Auto (default), Manual		
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 Current audio CVI: 5MP@225fps, 4MP@30fps, 4MP@25fps	WDR	DWDR		
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	Smart IR	Support		
MicrophoneBuilt-in MicCamera audioTVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Flip	Supports 180° horizontal flip, 180° vertical flip		
Camera audio TVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Audio	·		
Camera audio TVI: 5MP@20fps, 5MP@12.5fps, 4MP@30fps, 4MP@25fps, 1080P@30fps, 1080P@25fps CVI: 5MP@25fps, 4MP@30fps, 4MP@25fps	Microphone	Built-in Mic		
interface	Camera audio			
	Interface			

UNV

DATASHEET

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 for power and video output interfaces	
Ingress protection	IP67	
IK rating	IK10	
General		
Power	DC 12V(±25%), with reverse polarity protection, Max 3.3W	
Mount	Surface mount (default), optional tilted mounting bracket	
Dimensions	Φ109mm*83mm (diameter*height)	
Material	Metal	
Weight	372g (0.82lb)	
Certification	CB, CE, FCC, UL	

Dimensions



UAC-D125-AF28(40)M

Accessories

TR-JB03-G-IN Junction Box



TR-JB07/WM03-G-IN Wall Mount



TR-WM03-D-IN Wall Mount

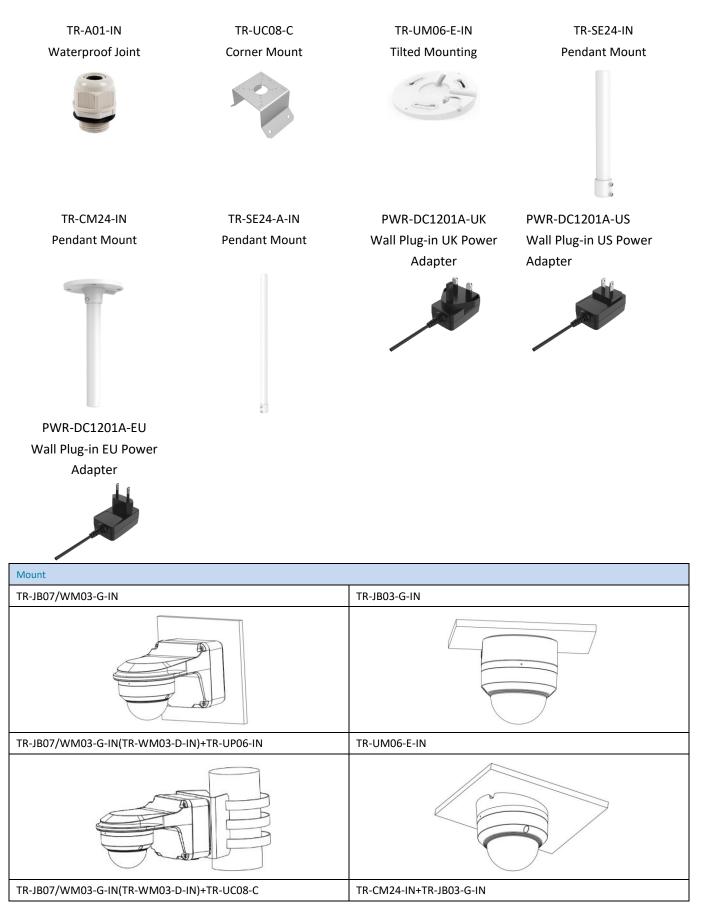


TR-UP06-IN Pole Mount



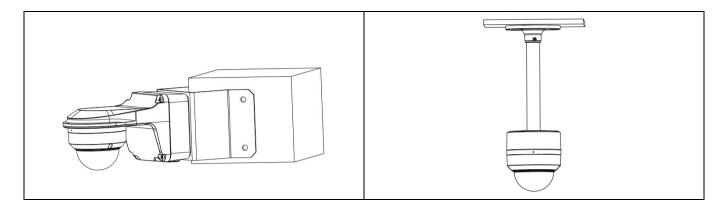


DATASHEET



UNV

DATASHEET



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

 $\ensuremath{\mathbb{C}}$ 2023 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

*Product specifications and availability are subject to change without notice.