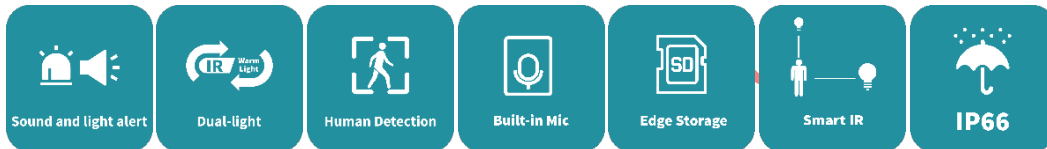


12MP HD Outdoor Pan & Tilt Wi-Fi Camera

Uho-P2A-M12F4DP



Features

- High quality image with 12MP, 1/3" CMOS sensor
- 3840*2880@20fps in the main stream
- Ultra 265, H.265, H.264
- Support digital WDR (Wide Dynamic Range)
- Built-in Mic & Speaker, support two-way audio, offer better interaction
- Support sound and light warning, makes warning and alarming more noticeable
- Smart IR, up to 30 m (98 ft) IR and 10 m (32 ft) warm light distance, suitable for more scenes
- Self-contained bracket, support two kinds of mounting
- Supports 512 GB Micro SD card
- IP66 ingress protection
- The front face is made of grapheme, which has better heat dissipation and more environmental protection
- Support PoE power supply

Specifications

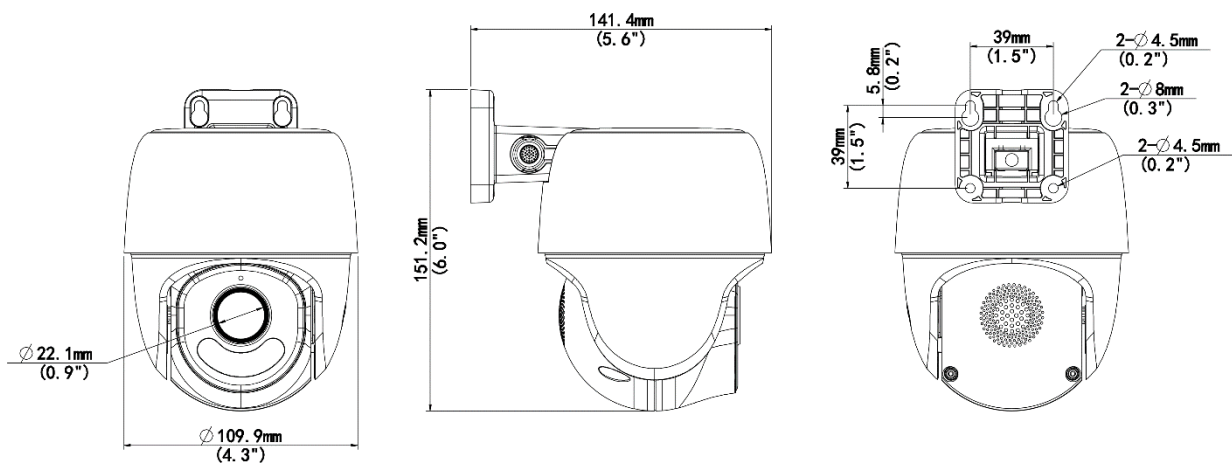
Model	Uho-P2A-M12F4DP
Camera	
Max Resolution	12 MP
Sensor	1/3.0" CMOS
Min. Illumination	Colour: 0.005Lux (F1.6, AGC ON) 0 Lux with IR on
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
S/N	>52 dB
WDR	DWDR
Lens	
Digital Zoom	4X
Focal Length	4.0 mm
Iris Type	Fixed
Iris	F1.6
Field of View (H)	90.5°
Field of View (V)	44.4°
Field of View (D)	111.3°
Lens Type	Fixed
DORI	
DORI Distance (Lens)	4.0mm
DORI Distance (Detect)	73.5 (241.0ft)
DORI Distance (Observe)	29.4 (96.4ft)
DORI Distance (Recognize)	14.7 (48.2ft)
DORI Distance (Identify)	7.3 (24.1ft)
Illuminator	
Illumination Distance (IR)	30 m (98.4 ft)
Illumination Distance (Warm Light)	10 m (32.8 ft)
Wavelength	850 nm

IR On/Off Control	Auto/Manual
Video	
Video Compression	Ultra 265, H.265, H.264
Frame Rate	Main Stream: 12MP (3840*2880), Max 20fps; Sub Stream: 640*360, Max 20fps;
Video Bit Rate	128 Kbps to 2048 Kbps
U-code	Support
OSD	Up to 2 OSDs
Privacy Mask	Support (only NVR)
ROI	Up to 8 areas
Video Stream	Dual Streams
Image	
White Balance	Auto, Outdoor, Fine Tune, Sodium Lamp, Locked, Auto2
Digital Noise Reduction	2D/3D DNR
Smart IR	Support
Flip	Normal, Flip Vertical, Flip Horizontal, 180°
Dewarping	N/A
HLC	N/A
BLC	N/A
Defog	Digital Defog
Events	
Basic Detection	Human Body Detection, Motion Detection, Audio Detection
General Function	IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication, HTTP Authentication
Intelligent	
Auto Tracking	Support
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support

Sampling Rate	8 kHz
Storage	
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR
Network	
Protocols	IPv4, TCP, UDP, DHCP, RTSP, DNS, DDNS, NTP, HTTP
Compatible Integration	API
Client	Guard Viewer, Guard Station
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+
PTZ	
Pan Range	0° ~ 345°
Pan Speed	1°/s ~ 40°/s Preset speed: 40°/s
Tilt Range	0° ~ 90°
Tilt Speed	1°/s ~ 30°/s Preset speed: 30°/s
Number of Presets	20
Interface	
Audio I/O	N/A
Alarm I/O	N/A
Built-in Mic	Support
Built-in Speaker	Support
WIFI	Support
Network	1 × RJ45 10 M/100 M Base-TX Ethernet
Certification	
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130) 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	IP66 (IEC 60529)
General	

Power	DC 12V±25%, PoE (IEEE 802.3af)
Power Interface	Ø5.5 mm coaxial power plug
Dimensions	Φ110mm*110mm*151mm (Φ4.3"x 4.3"x 6.0")
Weight	0.38kg (0.84lb)
Working Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 95% RH (non-condensing)
Surge Protection	4 KV
Reset Button	Support
LED Indicator	1, red/blue

Dimensions



Accessories

TR-JB05-A-IN

Small Bullet Junction Box(Support wiring from behind,Square)



TR-UP06-B-IN

Bullet Pole Mounting Bracket



TR-UP06-C-IN

Pole Mounting Bracket for Bullet Junction Box Only



TR-A01-IN

NPT 3/4" Waterproof Cable Gland



TR-UC08-C

Bullet&Dome Corner Mounting Bracket

