

# 3MP HD Outdoor Pan & Tilt Wi-Fi Camera

Uho-P1H-M3F4D



## Key Features



- High quality image with 3MP, 1/2.8"CMOS sensor
- 2304\*1296@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 10m (33 ft) warm light distance, suitable for more scenes
- Self-contained bracket, support two kinds of mounting
- Supports 512 GB Micro SD card
- Wi-Fi connection and easy installation
- IP66 ingress protection
- The front face is made of grapheme, which has better heat dissipation and more environmental protection

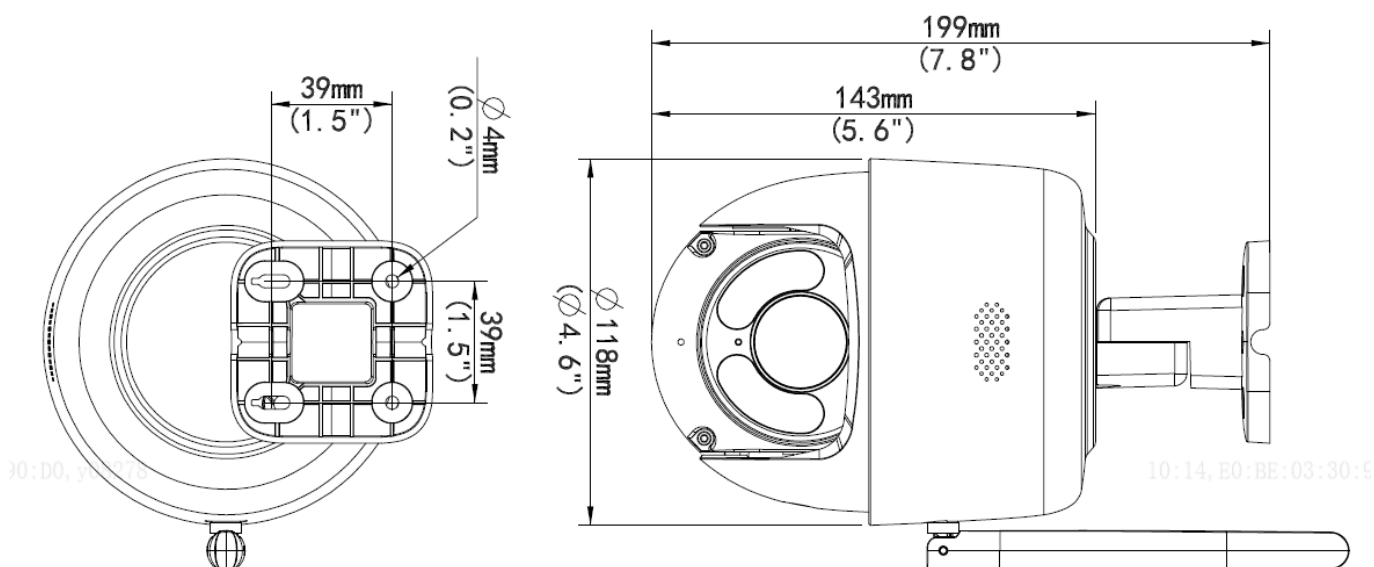
# Specifications

Camera	Uho-P1H-M3F4D				
Sensor	1/2.8" progressive scan, 3.0 megapixel, CMOS				
Min. Illumination	Colour:0.005 lux (F1.6,AGC ON) 0 lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, shutter time: 1s ~ 1/100000s				
WDR	DWDR				
S/N	>52 dB				
Lens					
Lens type	4mm@F1.6				
Digital Zoom	4				
Iris	Fixed				
Field of View (H)	91.2°				
Field of View (V)	47.9°				
Field of View (D)	95.9°				
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	4mm	72.0 (236.2ft)	28.8 (94.5ft)	14.4 (47.2ft)	7.2 (23.6ft)
Illuminator					
IR Range	Up to 30m (98ft)				
Warm Light Range	Up to 10m (33ft)				
Wavelength	850nm				
IR On/Off Control	Auto/Manual				
Video					
Video Compression	Ultra 265, H.265, H.264				
Frame Rate	Main Stream: 3MP (2304*1296), Max 20fps; 2MP (1920*1080), Max 25fps; 720P (1280*720), Max 25fps; Sub Stream: 640*360,Max 25fps; 2CIF(704*288), Max 25fps; CIF(352*288), Max 25fps;				
Video Bit Rate	128 Kbps~2048 Kbps				
ROI	Up to 8 areas				
Video Stream	Dual streams				
OSD	Up to 2 OSDs				
Privacy Mask	Support(Only NVR)				
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°				
HLC	N/A				
BLC	N/A				
Defog	Digital Defog				
Events					
Basic Detection	Motion detection, Ultra motion detection, Audio detection				

Auto tracking	Support
General Function	IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication
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	
Wi-Fi	2.4G Wi-Fi (IEEE802.11b/g/n/ax), built-in antenna
Protocols	IPv4, TCP, UDP, DHCP, RTSP, DNS, DDNS, NTP, HTTP
Compatible Integration	API
Client	Uniarch Client Uniarch APP
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Wi-Fi	
Wireless Standards	IEEE802.11b/g/n/ax
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	20/40 MHz Support
Modulation Mode	802.11b: CCK 802.11g/n: OFDM 802.11ax: OFDMA
Security	64/128-bit WEP, WPA-PSK/WPA2-PSK
Transmit Power	802.11b: 17±1.5dBm @11Mbps 802.11g: 16±1.5dBm @ 54Mbps 802.11n: 16±1.5dBm @MCS7 802.11ax: 16±1.5dBm @MCS9
Receive Sensitivity	802.11b: -76dBm @11Mbps (Typical) 802.11g: -65dBm @54Mbps (Typical) 802.11n: -61dBm @MCS7,HT40(Typical) 802.11ax: -54dBm @MCS9,HE40(Typical)
Transmission Rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: up to 150Mbps 802.11ax: up to 270Mbps
Pan & Tilt	
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
<b>Interface</b>	
Built-in Mic	Support
Built-in Speaker	Support
Wi-Fi	Support
Network	1 * RJ45 10M/100M Base-TX Ethernet
<b>Certifications</b>	
EMC	CE EMC (EN 55032,EN 61000-3-3,EN IEC 61000-3-2,EN 50130) FCC (FCC 47 CFR part15 B)
RF	FCC ID (FCC CFR 47 part15 C) CE RED (EN 301 489-1, EN 301 489-17, EN 300 328, EN 62311)
Safety	CE LVD (EN 62368-1)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU)
Protection	IP66 (IEC 60529)
<b>General</b>	
Power	DC 12V $\pm$ 25%
	Power consumption: Max 11.0W
Power Interface	$\varnothing$ 5.5mm coaxial power plug
Dimensions ( $\varnothing$ x H)	$\varnothing$ 118mm*118mm*199mm ( $\varnothing$ 4.6"x 4.6"x 7.8")
Weight	0.53kg (1.17lb)
Working Environment	-30°C ~ 60°C (-22°F to 140°F), Humidity: $\leq$ 95% RH(non-condensing)
Surge Protection	4KV
Reset Button	Support
LED indicator	1,green

## Dimensions



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

[www.uniview.com/uniarch](http://www.uniview.com/uniarch)

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

## VERIFICATION OF COMPLIANCE

Verification No.: KSCR240800163601ATC

Applicant: Zhejiang Uniview Technologies Co., Ltd.

Address of Applicant: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Manufacturer: Zhejiang Uniview Technologies Co., Ltd.

Address of Manufacturer: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Product Description: IP Camera

Model No.: Uho-P1A-M5F4D,Uho-P1A-M3F4D,Uho-P1A-xxxxxxx-yyyyyyy-zzzz,Uho-P1H-M3F4D,Uho-P1H-xxxxxxx-yyyyyyy-zzzz,  
Uho-P3C-M5F4,Uho-P3C-xxxxxxx-yyyyyyy-zzzz,  
"x" can be 0-9, A-Z, a-z or blank, denoting difference in interface,  
"y" can be 0-9,A-Z,a-z or blank, denoting performance difference,  
"z" can be 0-9,A-Z,a-z or blank, denoting target regional, "-  
" is optional

Test Standards: EN 55032: 2015+A11:2020+A1:2020  
EN 61000-3-3: 2013+ A1:2019+A2:2021  
EN IEC 61000-3-2: 2019+A1:2021  
EN 50130-4: 2011 +A1:2014

Test Report Number(s): KSCR240800163601

This Verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of Compliance Certification Services (Kunshan) Inc. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Terry Hou  
Technical Manager

Compliance Certification Services (Kunshan) Inc.



Date: 2024-09-18

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Compliance Certification Services (Kunshan) Inc.  
No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
Member of the SGS Group (SGS SA)

## VERIFICATION OF COMPLIANCE

Verification No.: KSCR240800148901V01ATC

Applicant: Zhejiang Uniview Technologies Co., Ltd.

Address of Applicant: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Manufacturer: Zhejiang Uniview Technologies Co., Ltd.

Address of Manufacturer: No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China

Product Description: IP Camera

Model No.: Uho-P1H-M3F4D,Uho-P1H-xxxxxxx-yyy-yyyy-zzzz (where x,y,z may be blank, one letter or more combination letters from '0-9, A-Z and a-z'; '-' is optional)

Test Standards: EN 300 328 V2.2.2  
EN 301 489-1 V2.2.3  
EN 301 489-17 V3.2.4  
EN IEC 62311:2020

Test Report Number(s): KSCR240800148901V01; KSCR240800148902V01;  
KSCR240800148903V01

## Conclusion

Based on a review of the test report(s) detailed above, this apparatus meets the requirements of above standards. The product is in conformity with the essential requirements of Article 3.1 (a) the protection of the health and with/without safety, 3.1 (b) an adequate level of electromagnetic compatibility and 3.2 effective use of the spectrum of 2014/53/EU.

The CE mark can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

This verification supersedes our previous verification KSCR240800148901ATC, issued on 2024-08-21, which is hereby deemed null and void.



Terry Hou  
Technical Manager

Compliance Certification Services (Kunshan) Inc.



Date: 2024-09-23

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Compliance Certification Services (Kunshan) Inc.  
No.10 Weiye Road, Development Zone, Kunshan, Jiangsu, China  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
Member of the SGS Group (SGS SA)

## VERIFICATION OF COMPLIANCE

No.: GPSD SUES2404000454ATA02  
Applicant: Zhejiang Uniview Technologies Co., Ltd.  
No. 369, Xietong Road, Xixing Sub-district, Binjiang District,  
Hangzhou City, 310051, Zhejiang Province, China  
Manufacturer: Zhejiang Uniview Technologies Co., Ltd.  
No. 369, Xietong Road, Xixing Sub-district, Binjiang District,  
Hangzhou City, 310051, Zhejiang Province, China  
Product Name: IP Camera  
Model No.: See page 2  
Trade Mark:   
Rating: DC 12 V, 1,5 A  
Protection against Electric Shock: Class III  
Protection against Electric Shock: See page 2  
Additional Information (if any): VOC GPSD SUES2404000454ATA01 dated on 2024-09-10 is  
no longer valid since this VOC GPSD  
SUES2404000454ATA02 dated on 2024-09-29 issued.  
Revised content see report.  
Sufficient samples of the product have been tested and found to be in conformity with  
Test Standard: EN IEC 62368-1: 2020 + A11: 2020  
as shown in the  
Test Report Number(s): SUES240400045403

This Verification of Compliance has been granted to the applicant based on the results of tests performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the General Product Safety Directive 2001/95/EC.

Dan Xie

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2024-09-29

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SGS-CSTC Standards Technical Services Co., Ltd.  
16F, Century Yu Hui Mansion, No.73, Fucheng Road, Haidian  
District, Beijing, 100142, CHINA  
[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)  
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No.:

GPSD SUES2404000454ATA02

Other information added:

Model No.:	Rating
Uho-P1A-M3F4D, Uho-P1A-M5F4D, Uho-P1A-xxxxxxx-yyy-yyyy-zzzz, (where "x", "y", "z" may be blank, one letter or more combination letters from "0-9", "A-Z" and "a-z"; "-" is optional))	DC 12 V, 1,5 A
Uho-P1H-M3F4D, Uho-P1H-xxxxxxx-yyy-yyyy-zzzz, Uho-P3C-M5F4, Uho-P3C-xxxxxxx-yyy-yyyy-zzzz, (where "x", "y", "z" may be blank, one letter or more combination letters from "0-9", "A-Z" and "a-z"; "-" is optional))	DC 12 V, 1,0 A

Dan Xie

Technical Manager

SGS-CSTC Standards Technical Services Co., Ltd.

2024-09-29

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District, Beijing, 100142, CHINA  
[www.ssgroup.com.cn](http://www.ssgroup.com.cn)  
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