

# 4MP ColorHunter Outdoor Network PT Camera

## IPC-P224-AF40C



## Features

- High quality image with 4 MP, 1/3.0" CMOS sensor
- 4 MP (2560 × 1440)@25/20 fps; 3 MP (2304 × 1296)@30/25 fps; 2 MP (1920\*1080)@30/25 fps;
- Ultra 265, H.265, H.264
- Support digital WDR (Wide Dynamic Range)
- Built-in Mic and 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 (98.4 ft.) IR and 30 m (98.4 ft.) warm light distance, suitable for more scenes
- MicroSD, up to 512 GB
- IP66 ingress protection

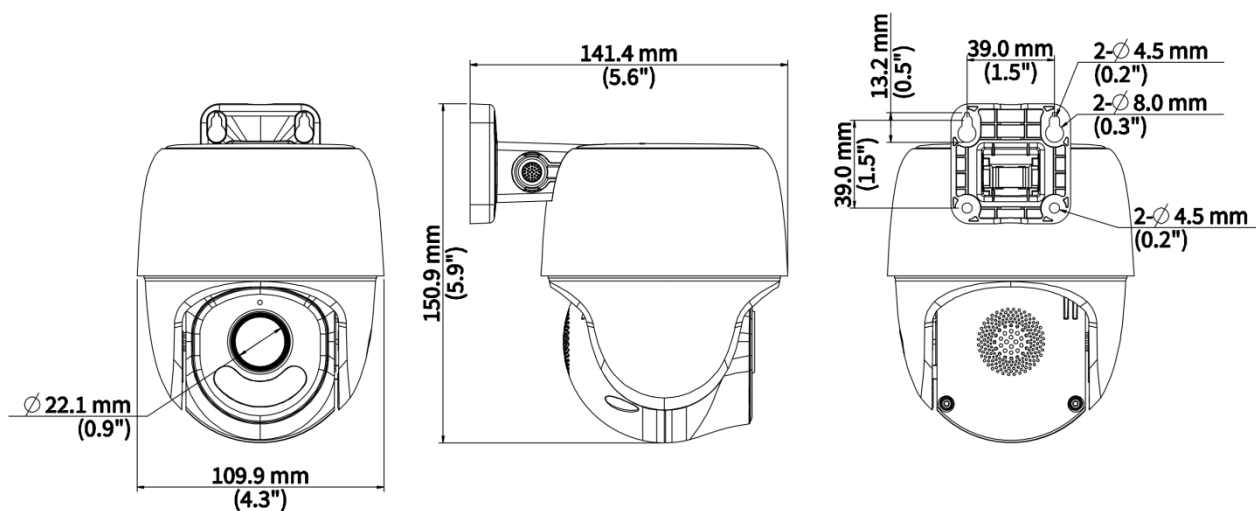
## Specifications

| Model                              | IPC-P224-AF40C                                                                                                                                                                                                                                      |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                             |                                                                                                                                                                                                                                                     |
| Max Resolution                     | 4 MP                                                                                                                                                                                                                                                |
| Sensor                             | 1/3.0" CMOS                                                                                                                                                                                                                                         |
| Min. Illumination                  | Color: 0.003 Lux (F1.6, AGC ON)                                                                                                                                                                                                                     |
| Day/Night                          | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                                |
| Shutter                            | Auto/Manual, 1 to 1/100000 s                                                                                                                                                                                                                        |
| S/N                                | > 52 dB                                                                                                                                                                                                                                             |
| WDR                                | DWDR                                                                                                                                                                                                                                                |
| Lens                               |                                                                                                                                                                                                                                                     |
| Focal Length                       | 4.0 mm                                                                                                                                                                                                                                              |
| Iris                               | F1.6                                                                                                                                                                                                                                                |
| Field of View (H)                  | 74.5°                                                                                                                                                                                                                                               |
| Field of View (V)                  | 39.7°                                                                                                                                                                                                                                               |
| Field of View (D)                  | 87.9°                                                                                                                                                                                                                                               |
| Lens Type                          | Fixed                                                                                                                                                                                                                                               |
| DORI                               |                                                                                                                                                                                                                                                     |
| DORI Distance (Lens)               | 4 mm                                                                                                                                                                                                                                                |
| DORI Distance (Detect)             | 90.0 m (295.3 ft.)                                                                                                                                                                                                                                  |
| DORI Distance (Observe)            | 36.0 m (118.1 ft.)                                                                                                                                                                                                                                  |
| DORI Distance (Recognize)          | 18.0 m (59.1 ft.)                                                                                                                                                                                                                                   |
| DORI Distance (Identify)           | 9.0 m (29.5 ft.)                                                                                                                                                                                                                                    |
| Illuminator                        |                                                                                                                                                                                                                                                     |
| Supplemental Light                 | Dual light                                                                                                                                                                                                                                          |
| Illumination Distance (IR)         | 30 m (98.4 ft.)                                                                                                                                                                                                                                     |
| Illumination Distance (Warm Light) | 30 m (98.4 ft.)                                                                                                                                                                                                                                     |
| Wavelength                         | 850 nm                                                                                                                                                                                                                                              |
| IR On/Off Control                  | Auto/Manual                                                                                                                                                                                                                                         |
| Video                              |                                                                                                                                                                                                                                                     |
| Video Compression                  | Ultra 265, H.265, H.264                                                                                                                                                                                                                             |
| Frame Rate                         | Main Stream: 4 MP (2560 × 1440), max. 25 fps; 3 MP (2304 × 1296), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps<br>Sub Stream: 640 × 360, max. 25 fps; 2CIF (704 × 288), max. 25 fps; CIF (352 × 288), max. 25 fps; |
| Video Bit Rate                     | 128 Kbps to 6144 Kbps                                                                                                                                                                                                                               |
| OSD                                | Up to 4 OSDs                                                                                                                                                                                                                                        |
| Privacy Mask                       | Support (only NVR)                                                                                                                                                                                                                                  |
| ROI                                | Support                                                                                                                                                                                                                                             |
| 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°                                                                                                                                             |
| HLC                        | N/A                                                                                                                                                                                      |
| BLC                        | Support                                                                                                                                                                                  |
| Defog                      | Digital defog                                                                                                                                                                            |
| <b>Intelligent</b>         |                                                                                                                                                                                          |
| Smart Intrusion Prevention | N/A                                                                                                                                                                                      |
| Auto Tracking              | Support                                                                                                                                                                                  |
| <b>Audio</b>               |                                                                                                                                                                                          |
| Audio Compression          | G.711U, G.711A                                                                                                                                                                           |
| Audio Bitrate              | 64 Kbps                                                                                                                                                                                  |
| Two-way Audio              | Support                                                                                                                                                                                  |
| Suppression                | Support                                                                                                                                                                                  |
| Sampling Rate              | 8 kHz                                                                                                                                                                                    |
| <b>Events</b>              |                                                                                                                                                                                          |
| Basic Detection            | Ultra motion detection (based on human body and vehicle detection), Tampering alarm, High-Decibel detection                                                                              |
| General Function           | IP address filtering, Access policy, HTTP authentication, RTSP authentication, User authentication, ARP protection                                                                       |
| <b>Storage</b>             |                                                                                                                                                                                          |
| Edge Storage               | MicroSD, up to 512 GB                                                                                                                                                                    |
| Network Storage            | ANR                                                                                                                                                                                      |
| <b>Network</b>             |                                                                                                                                                                                          |
| Protocols                  | IPv4, TCP, DHCP, RTSP, RTP, RTCP, NTP, HTTP, ICMP, DNS, DDNS                                                                                                                             |
| Compatible Integration     | SDK, API                                                                                                                                                                                 |
| Client                     | APP, Uniarch client                                                                                                                                                                      |
| Web Browser                | Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+                                                                                                                    |
| Security                   | Password protection, Strong Password, Export operation logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF |
| User/Host                  | Up to 6 users. 2 user levels: administrator and common user                                                                                                                              |
| <b>Interface</b>           |                                                                                                                                                                                          |
| Serial Port                | N/A                                                                                                                                                                                      |
| Audio I/O                  | N/A                                                                                                                                                                                      |
| Alarm I/O                  | N/A                                                                                                                                                                                      |
| Built-in Mic               | Support                                                                                                                                                                                  |
| Built-in Speaker           | Support                                                                                                                                                                                  |
| WIFI                       | N/A                                                                                                                                                                                      |
| Network                    | 1 × RJ45 10 M/100 M Base-TX Ethernet                                                                                                                                                     |
| <b>PTZ</b>                 |                                                                                                                                                                                          |
| Pan Range                  | 0° ~ 345°                                                                                                                                                                                |
| Pan Speed                  | 1°/s ~ 40°/s<br>Preset speed: 40°/s                                                                                                                                                      |

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| Tilt Range          | 0° ~ 90°                                                                                 |
| Tilt Speed          | 1°/s ~ 30°/s<br>Preset speed: 30°/s                                                      |
| Number of Presets   | 20                                                                                       |
| General             |                                                                                          |
| Material            | Plastic                                                                                  |
| Power Consumption   | 7.3 W                                                                                    |
| Power               | DC 12V±25%, PoE (IEEE 802.3af)                                                           |
| Power Interface     | Ø5.5 mm coaxial power plug                                                               |
| Dimensions          | Ø110mm*141mm*151mm (Ø4.3"× 5.6"× 6.0")                                                   |
| Weight              | 0.38 kg (0.84 lb)                                                                        |
| Working 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                                                                              |
| Certification       |                                                                                          |
| Protection          | IP66 (IEC 60529)                                                                         |
| EMC                 | CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035)<br>FCC (FCC 47 CFR part15 B) |
| Safety              | CE LVD (EN IEC 62368-1)                                                                  |
| Environment         | CE-RoHS (2011/65/EU;(EU)2015/863); WEEE (2012/19/EU);                                    |

## Dimensions



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