# uxtech

# NightHawk

# UX-IPV8540HDAW-B

## 4MP Nighthawk Full Color Turret Network Camera

Color imaging in extremely low ambient light conditions of 0.0001 lux

AI | 4MP | WDR | H.265 | D&N | MicroSD | IP67

## Key Features

- 1/1.8" progressive scan CMOS

- Max. 4MP(2688×1520) @25/30fps resolution

- H.265, H.265+, H.264, H.264+ Encoding

- Support face, human, vehicle detection and capture

- Intelligent UXmind analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, smart motion detection (SMD) and people counting

- True WDR, 3D DNR, ROI, HLC, BLC, Defog

- Built-in warm lights, illumination distance up to 50m

- 1/1 alarm in/out, 1/1 audio in/out, built-in microphone

- Built-in SD card slot

- Support 12VDC/0.25A power output

- IP67

Energy Saving

ONVIF®

WWW.UXTECH.CL

# Specification

## Camera

| | |
|---|---|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | 4MP (2688×1520) |
| Electronic Shutter | Auto/Manual, 1/5 to 1/50,000s |
| Min. illumination | Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with warm-light ON |
| Day & Night | Fixed filter |
| Angle Adjustment | Pan: 0˚ to 355˚, Tilt: 0˚ to 80˚, Rotation: 0˚ to 360˚ |

## Lens

| | |
|---|---|
| Lens Type | Fixed focus |
| Iris | Fixed Iris |
| Focal Length | 2.8 mm and 4 mm optional |
| F Number | F1.0 |
| Field of View | 2.8 mm, H: 112.4°, V: 61.2°<br>4 mm, H: 95.6°, V: 50.6° |

## DORI

| | Lens | Detect | Observe | Recognize | Identify |
|---|---|---|---|---|---|
| DORI Distance | 2.8 mm | 56 m (183.7 ft) | 22.4 m (73.5 ft) | 11.2 m (36.7 ft) | 5.6 m (18.4 ft) |
| | 4 mm | 65 m (213.3 ft) | 26 m (85.3 ft) | 13 m (42.7 ft) | 6.5 m (21.3 ft) |

## Illuminator

| | |
|---|---|
| Illuminator Type | Warm light |
| Illumination Range | Up to 50 m (164 ft) |
| Illumination On/Off Control | Auto/Manual |

## Video

| | |
|---|---|
| Streaming Capability | 3 Streams |
| Stream/Frame Rate | Stream1: 2688×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps<br>Stream2: D1, VGA, CIF @25/30fps<br>Stream3: VGA, CIF, QVGA @25/30fps |
| Bit Rate Control | CBR/VBR |
| Bit Rate | Stream1: 200 kbps to 12 Mbps<br>Stream2: 100 Kbps to 6 Mbps<br>Stream3: 100 kbps to 3 Mbps |
| Region of Interest | Off/On (8 areas, Rectangle) |
| Smart Encode | Support |

## Audio

| | |
|---|---|
| Compression | G.711, RAW_PCM |
| Bit Rate | 64 kbps (G.711), 128 kbps (RAW_PCM) |

## Image

| | |
|---|---|
| Image Adjustment | Brightness, Sharpness, Contrast, Saturation adjustable |
| Aisle Mode | Support |
| Mirror | Support |

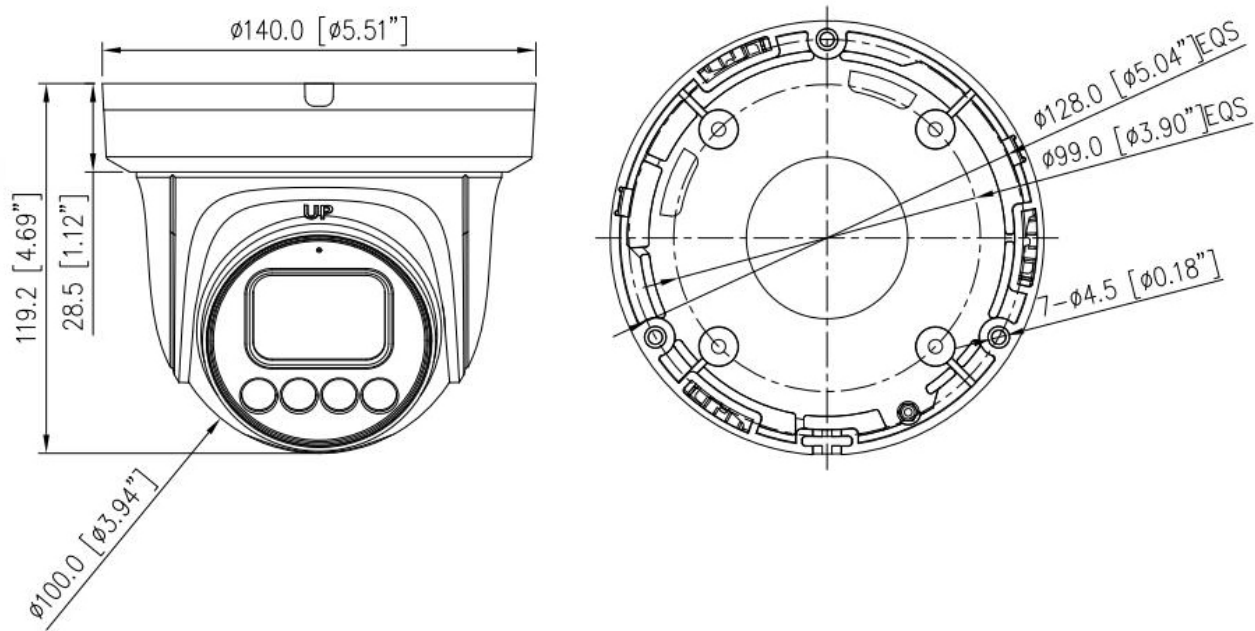| | |
|---|---|
| White Balance | Auto/Manual |
| Day/Night Setting | Auto, Day, Night, Time |
| Noise Reduction | 2D/3D DNR |
| Image Enhancement | HLC, BLC, Defog |
| Wide Dynamic Range | True WDR |
| S/N Ratio | 55dB |
| Privacy Masking | 4 areas |
| **Smart Function** | |
| Multi-Object Detection | Supports face, human, vehicle detection and capture |
| Intelligent Analytics | Intrusion, Single line crossing, Double line crossing,  Loitering, Wrong-way, Smart motion detection Support alarm triggering by specified target types (human and vehicle) |
| People Counting | Support |
| Basic Events | Disk alarm, Network alarm, I/O alarm, Motion alarm, Abnormal sound detection |
| **Network** | |
| Protocols | IPv4/IPv6, RTSP/ RTCP/RTP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, PPPoE, UPnP, ICMP, IGMP, FTP, NTP, SMTP, 802.1x, SNMP |
| Interoperability | ONVIF (profile S/T/G/M), SDK, CGI |
| Streaming Method | Multicast |
| Max. User Access | 10 Users |
| Web Viewer | <IE11, Chrome, Firefox, Microsoft Edge |
| Language | English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English |
| **Interface** | |
| Network Interface | 1 Ethernet (10/100 Base-T) RJ-45 Connector |
| Built-in Microphone | Support |
| Audio Interface | 1ch Input, 1ch Output |
| Alarm Interface | 1ch Input, 1ch Output |
| Reset Button | Support |
| SD Card Slot | Built-in, up to 1TB |
| Power Output | 12VDC/0.25A output |
| **Electrical** | |
| Power Supply | DC12V (-15% to +25%) / PoE (IEEE 802.3af) / ePoE Compatible |
| Power Consumption | Max. 7.5W |
| Operating Temperature | -40°C to 55°C (-40°F to 131°F ) |
| Operating Humidity | Less than 90% RH |
| Ingress Protection | IP67 |
| Certifications | CE/FCC |
| Casing | Metal + Plastic |
| Dimensions | φ140 × 119.2 mm (5.51 × 4.69 inch) |
| Net Weight | 0.9 kg (1.98 lb) |

# Dimensions (mm)



# Accessories

**Optional：**



UX-CBK645D
Junction Box

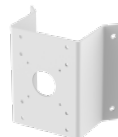UX-CBK206
Pendant Cap

UX-CBK402
Pendant Mount

UX-CBK501
Wall Mount

UX-CBK502
Wall Mount

UX-CBK101
Pole Mount

UX-CBK102
Corner Mount

**NDAA Compliant Product**

The John S. McCain National Defense Authorization Act (NDAA) for Fiscal Year 2019 was signed into law on August 13, 2018. The law, specifically Section 889, amongst other things prohibits federal agencies, their contractors. and grant or loan recipients from procuring or using "telecommunications and video surveillance equipment or services" from specific Chinese companies as a "substantial or essential component of any system, or as critical technology as part of any system." The NDAA ban also extends to other manufacturers in cases in which the video surveillance cameras or systems from the specified vendors are offered under another manufacturer. Some Chinese banned manufactures are: ZTE Corporation, Dahua Technology Company, Huawei Technologies Company, Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company.
For more information visit:
https://www.federalregister.gov/documents/2020/07/14/2020-15293/federal-acquisition-regulation-prohibition-on-contracting-with-entities-using-certain