

## **8MP, COLORHUNTER+, WDR, AI, TURRET**



### *Fixed Lens Turret*

## **IPT4KW128AIX**

- > Fully Adheres to National Defense Authorization Act (NDA) Guidelines
- > ColorHunter+ technology ensures ultra-high color image up to 0.0003 Lux (F1.0, AGC ON)
- > Exceptional Video Quality with 8MP, 3840 x 2160 Resolution
- > H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements
- > Powerful White Light Operation up to 98 Feet
- > 2.8mm Fixed Lens; ONVIF Profile S Compliant
- > Exceptional Night Time Color Image and WDR functionality
- > Triple Video Streams, Built-in mic, Smart Illumination, Digital Defog and 3D DNR
- > Alarm and Audio Inputs/Outputs
- > Intelligent, smart intrusion prevention technology for significantly reduced false alarms when focusing on humans and motor vehicles
- > PoE & 12VDC Power Options and Optional Wall and Pendant Mounts Available
- > Built-in Micro-SD Card Slot enables local storage up to 512GB
- > 3-Way Axis, CE, IK10 Vandal Resistant and IP67 Weather Resistant
- > Supported by uniview tec Guard Station Software, as well as Guard Live and Guard Viewer Mobile App's for iPhone and Android Devices

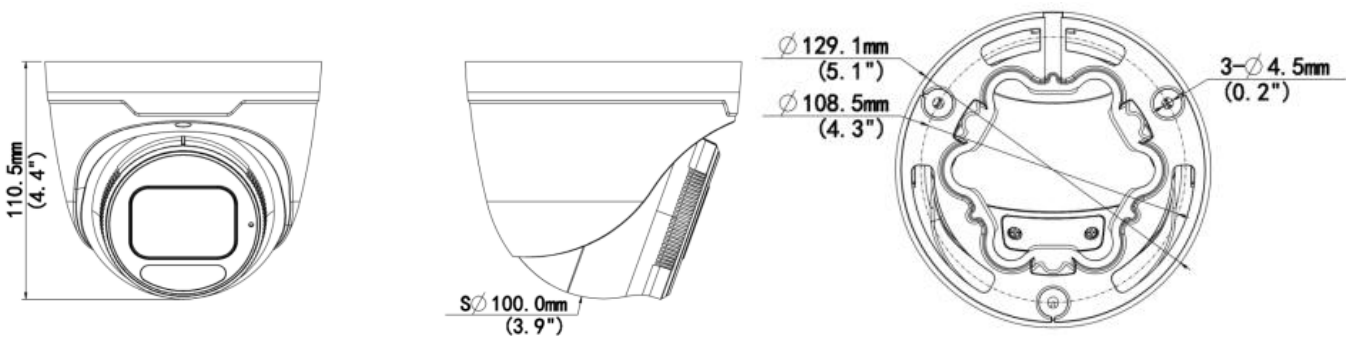
## Specifications

Camera	Description
Max Resolution	8MP
Sensor	1/1.2" CMOS
Min. Illumination	Color : 0.0003 lux (F1.0, AGC ON)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 75°, Rotate: 0° ~ 360°
S/N	>56dB
WDR	130dB
Lens	Description
Focal Length	2.8mm
Iris Type	Fixed
Iris	F1.0
Field of View (H)	105.0°
Field of View (V)	56.1°
Field of View (D)	121.0°
DORI	Description
DORI Distance(Detect)	43.4m(142.4ft)
DORI Distance(Observe)	17.4m(57.1ft)
DORI Distance(Recognize)	8.8m(28.5ft)
DORI Distance(Identify)	4.3m(14.1ft)
Illuminator	Description
Illumination Distance(Warm Light)	30m (98.4ft)
Light On/Off Control	Auto/Manual
Video	Description
Video Compression	H.265; H.264; MJPEG
H.264 Code Profile	Baseline profile, Main profile, High profile
Frame Rate	<p><u>Main Stream</u>: 8 MP (3840 × 2160), max. 30 fps; 5.3 MP (3072 × 1728), max. 30 fps; 3.6 MP (2560 × 1440), max. 30 fps; 1080P (1920 × 1080), max. 30 fps; 720P (1280 × 720), max. 30 fps;</p> <p><u>Sub Stream</u>: 1080P @30fps; 720P @30fps; D1 (720*576) @30fps; 640*360 @30fps; 2CIF (704*288) @30fps; CIF (352*288) @30fps;</p> <p><u>Third Stream</u>: D1 (720 × 576), max. 30 fps; 640 × 360, max. 30 fps; 2CIF (704 × 288), max. 30 fps; CIF (352 × 288), max. 30 fps;</p>
Video Bit Rate	128 Kbps ~ 6144 Kbps
U-code	Support
Privacy Mask	Up to 4
ROI; OSD	Up to 8 areas
Video Stream	Triple Streams

Image	Description
White Balance	Auto; Outdoor; Fine Tune; Sodium Lamp; Locked; Auto2
Digital Noise Reduction	2D/3D DNR
Smart Illumination	Support
Flip	Normal; Flip Vertical; Flip Horizontal; 180°; 90°Clockwise; 90°Anti-clockwise
Dewarping	N/A
HLC; BLC	Support
Auto Scene Match (ASM)	Support
Defog	Digital Defog
Events	Description
Basic Detection	Motion Detection; Ultra Motion Detection; Tampering Alarm; Audio Detection; Cross Line (based on Human Body Detection); Intrusion (based on Human Body Detection)
General Function	Watermark; IP Address Filtering; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP Authentication
Intelligent	Description
Smart Intrusion Prevention	Cross line detection, intrusion detection, enter area detection, leave area detection (support false alarm filtering and the classification of human, non-motor vehicle and vehicle)
People Counting	Support people flow counting and crowd density monitoring
Attribute Collection	SIP with color retrieval
Audio	Description
Audio Compression	G.711U; G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8KHZ
Storage	Description
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR; NAS (NFS)
Network	Description
Protocols	IPv4; IPv6; IGMP; ICMP; ARP; TCP; UDP; DHCP; PPPoE; RTP; RTSP; RTCP; RTMP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; SMTP; 802.1x; SNMP; QoS; RTMP; SSL/TLS; SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T, Profile M); API; SDK
User/Host	Up to 32 users, 3 user levels: administrator and common user
Security	Password Protection; Strong Password; HTTPS Encryption; Export Operation Logs; Basic and digest authentication for RTSP; Digest authentication for HTTP; TLS 1.2; WSSE and digest authentication for ONVIF
Client	Guard Live, Guard Viewer, Guard Station
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+; Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+

Interface	Description
Audio I/O	1 Input: impedance 35 k $\Omega$ , amplitude 2 V [p-p], 1 Output: impedance 600 $\Omega$ , amplitude 2 V [p-p]
Alarm I/O	1/1
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
Network	1 x RJ45 10M/100M Base-TX Ethernet
Certification	Description
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); UL/CUL (UL 62368-1, CAN/CSA C22.2 No. 62368-1)
Environment	CE-RoHS (2011/65/EU, (EU)2015/863); WEEE (2012/19/EU)
Protection	IP67 (IEC 60529); IK10 (IEC 62262)
General	Description
Power	DC 12V $\pm$ 25%, PoE (IEEE 802.3af); Power consumption: Max 6.0W
Power Interface	$\varnothing$ 5.5mm coaxial power plug
Dimensions	$\varnothing$ 129x110mm ( $\varnothing$ 5.1" x 4.3")
Weight	0.69kg(1.52lb)
Material	Metal
Environment	-30 $^{\circ}$ C ~ 60 $^{\circ}$ C (-22 $^{\circ}$ F ~ 140 $^{\circ}$ F), Humidity: $\leq$ 95% RH (non-condensing)
Surge Protection	4KV
Reset Button	Support

## Dimensions



## Accessories

See Camera Accessories Guide