

8MP, Easy Star, HLC, WDR, IR, BULLET



Fixed Lens Bullet

IPB4KES28X

- > Fully Adheres to National Defense Authorization Act (NDA) Guidelines
- > Easy Star illumination technology ensures ultra-high color image up to 0.005 Lux (F1.6)
- > Exceptional Video Quality with 8MP (3840 x 2160) Resolution
- > Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements
- > Powerful, Smart IR LED Lights for Nighttime Operation up to 164 Feet
- > ONVIF Profile S Compliant
- > TRUE Day/Night and WDR functionality for all Lighting Conditions
- > Dual Streams, Built-in mic, Digital Defog, Smart IR and 3D DNR
- > 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, 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

www.univiewtechnology.com

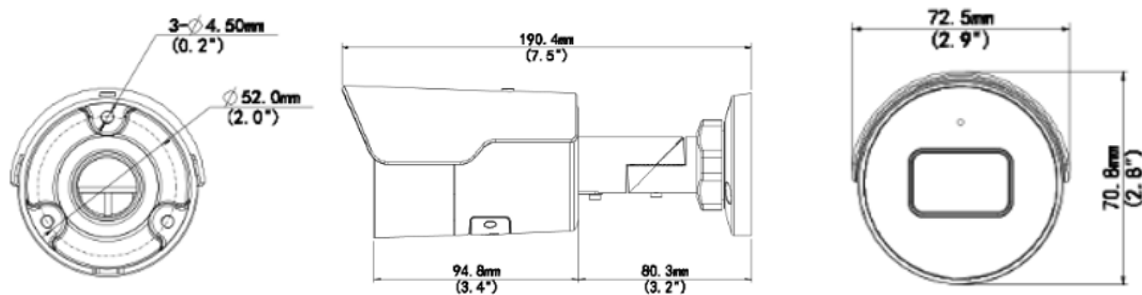
Specifications

Camera	Description
Max Resolution	8MP
Sensor	1/2.8" CMOS
Min. Illumination	Color: 0.005 lux (F1.6, AGC ON); 0 Lux with IR on
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
Adjustment Angle	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotate: 0° ~ 360°
S/N	>52dB
WDR	120dB
Lens	Description
Focal Length	2.8 mm
Iris Type	Fixed
Iris	F1.6
Field of View (H)	98.7°
Field of View (V)	53.9°
Field of View (D)	103.6°
DORI	Description
DORI Distance(Lens)	2.8mm
DORI Distance(Detect)	86.9m(285.1ft)
DORI Distance(Observe)	34.8m(114.0ft)
DORI Distance(Recognize)	17.4m(57.0ft)
DORI Distance(Identify)	8.7m(28.5ft)
Illuminator	Description
Supplemental Light	IR
Illumination Distance(IR)	50 m (164.0 ft)
Wavelength	850 nm
IR 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	<u>Main</u> : 8MP (3840*2160) @20fps; 5MP (3072*1728) @30fps; 4MP (2560*1440) @30fps; 1080P @30fps; 720P @30fps; <u>Sub</u> : 1080P @30fps; 720P @30fps; D1 (720*576) @30fps; 640*360 @30fps; 2CIF(704*288) @30fps; CIF(352*288) @30fps;
Video Bit Rate	128 Kbps ~ 16 Mbps
U-code	Support
OSD	Up to 4 OSDs

Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Dual Streams
Image	Description
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°; 90°Clockwise; 90°Anti-clockwise
De-warping	N/A
HLC	Support
BLC	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
Audio	Description
Audio Compression	G.711U; G.711A
Audio Bitrate	64 Kbps
Two-way Audio	N/A
Suppression	Support
Sampling Rate	8KHZ
Storage	Description
Edge Storage	Micro SD, up to 512 GB
Network Storage	ANR; NAS (NFS)
Network	Description
Protocols	IPv4; IGMP; ICMP; ARP; TCP; UDP; DHCP; RTP; RTSP; RTCP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; SMTP; SSL/TLS; QoS; 802.1x; SNMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); API; SDK
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
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 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above; Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above
Interface	Description
Audio I/O	N/A

Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Support
Built-in Speaker	N/A
WIFI	N/A
Network	1 x RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
Certification	Description
EMC	CE-EMC (EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035) 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)
General	Description
Power	DC 12V±25%, PoE (IEEE 802.3af); Power consumption: Max 6.9W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions	190×73×71mm (7.5"×2.9"×2.8")
Weight	0.40kg (0.88lb)
Material	Graphene + Metal
Environment	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: ≤95% RH (non-condensing)
Surge Protection	4KV
Reset Button	Support

Dimensions



Accessories

See Camera Accessories Guide