

## **4K, 180° PANORAMIC LENS, INTELLIGENT BULLET**



*180° Pano Lens Bullet*

### **IPB4K180X**

- > Fully Adheres to National Defense Authorization Act (NDA) Guidelines
- > Exceptional Video Quality with 4K (8MP), 3840 x 2160 Resolution
- > Super-Efficient H.265 Video Compression for Drastically Reduced Bandwidth and Storage Requirements
- > Powerful, Smart IR LED Lights for 0Lux Night Time Operation up to 66 Feet
- > Panoramic 1.68mm, 180° wide angle lens; ONVIF Profile S Compliant
- > TRUE Day/Night and WDR functionality for all Lighting Conditions
- > Triple Video Streams; Backlight Compensation, 3D DNR, Built-in Microphone
- > Built-in Micro-SD Card Slot enables local storage up to 512GB
- > Intelligent perimeter protection such as cross line and intrusion, with smart intrusion prevention technology for significantly reduced false alarms when focusing on humans and motor vehicles
- > 3-Way Axis, IP67 Weather Resistant; PoE & 12VDC Power Options
- > Supported by uniview tec Guard Station Software and Guard Viewer Mobile App's for iPhone and Android Device

[www.univiewtechnology.com](http://www.univiewtechnology.com)



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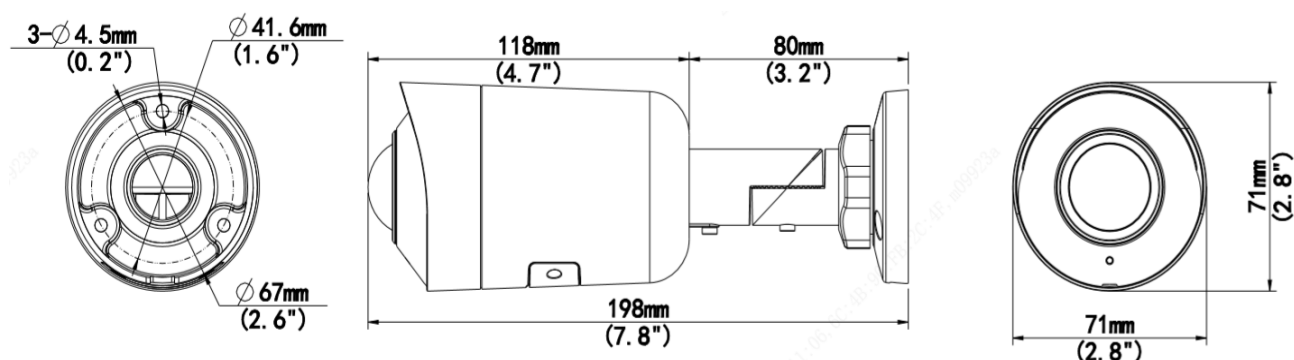
## Specifications

Camera				
Sensor	1/2.7"CMOS			
Minimum illumination	Color: 0.01 lux (F2.0, AGC ON); 0 Lux with IR			
Day / Night	IR-cut filter with auto switch (ICR)			
Shutter	Auto / Manual, 1 ~ 1/100000s			
Adjustment angle (3-way Axis)	Pan: 0° ~ 360°; Tilt: 0° ~ 90°; Rotate: 0° ~ 360°			
WDR	120dB			
S/N	>52dB			
Lens				
Lens	1.68mm			
Iris	F2.0			
Field of View (H)	180°			
Field of View (V)	100°			
Field of View (O)	180°			
DORI				
DORI Distance	Detect	Observe	Recognize	Identify
	37.8m (124ft)	15.1m (49.6ft)	7.6m (24.8ft)	3.8m (12.4ft)
Illuminator				
IR Illumination Distance	Up to 20m (66ft) IR range			
IR On / Off Control	Auto / Manual			
Wavelength	850nm			
Video				
Video Compression	Ultra 265, H.265, H.264, MJPEG			
H.264 code profile	Baseline profile, Main profile, High profile			
Frame Rate	Main Stream: 8MP (3840 x 2160), Max 30fps; 5MP (3072 x 1728), Max 30fps; 4MP (2560 x 1440), Max 30fps; 1080P (1920 x 1080), Max 30fps; Sub Stream: 720P (1280 x 720), Max 30fps; D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF(704 x 288), Max 30fps; CIF(352 x 288), Max 30fps; Third Stream: D1 (720 x 576), Max 30fps; 640 x 360,Max 30fps; 2CIF(704 x 288), Max 30fps; CIF(352 x 288), Max 30fps;			
Video Bit Rate	128 Kbps~16 Mbps			
U-code	Supported			
OSD	Up to 8 OSDs			
Privacy Mask	Up to 4 areas			
ROI	Up to 8 areas			
Video Stream	Triple streams			

Image	
Auto Scene Match (ASM)	Support (Only WDR)
White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2
Digital Noise Reduction	2D / 3D DNR
Smart Illumination	Supported
Flip	Normal; Flip Vertical; Flip Horizontal; 180°
Dewarping	Supported
HLC	Supported
BLC	Supported
Defog	Digital Defog
Low Illumination Characteristics	Low-light
Intelligent Analytics	
Smart intrusion prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Events	
Basic Detection	Motion detection, Ultra motion detection, Tampering alarm, Audio detection
General Function	Watermark; IP Address Filtering; Alarm input; Alarm output; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP Authentication
Audio	
Audio Compression	G.711U;G.711A
Audio Bitrate	64 Kbps
Suppression	Support
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 512GB
Network Storage	ANR
Network	
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
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
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 Station, Guard Viewer
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	
Built-in Microphone	Supported
Network	1 * RJ45 10M/100M Base-TX Ethernet

Conformity Certifications	
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	
Power	DC 12V ±25%, PoE (IEEE 802.3af); Power consumption: Max 5.5W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø × H)	198 × 71 × 71mm (7.8 × 2.8 × 2.8")
Weight	0.42kg (0.93lb)
Working 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