

# 4K Black Light Active Deterrence Full Color Fixed Lens IP Turret

- Providing real-time video output at maximum resolution 3840x2160@30fps
- AI-ISP for excellent noise reduction effect
- Intelligent analytics
- Supports warm light/infrared dual supplementary light
- Supports backlight compensation, strong light suppression, 3D digital noise reduction, 120dB wide dynamic range, suitable for different video environments
- Equipped with 1 built-in microphone, 1 built-in speaker
- Designed to meet IP67 dust and water resistance standards

| Video | |
|---|---|
| Imaging Device | 1/1.8” |
| Effective Pixels | 8MP 3840(H)×2160(V) |
| Scanning System | Progressive CMOS |
| Min. Illumination | Color 0.0007lux @ F1.0(AGC ON) ;  B/W 0 lux @ IR ON |

| Lens Type | |
|---|---|
| Focal Length (Zoom Ratio) | 2.8mm |
| Max. Aperture Ratio | F1.0 |
| Angular Field of View | Horizontal:110° Vertical:60° Diagonal:113° |
| Min. Object Distance | 2.5m |

| Operational | |
|---|---|
| IR LED | 1 |
| WarmLight | 2 |
| Red Blue Light | 2 (1 Red&1 Blue) |

| | |
|---|---|
| IR Viewable Length | Up to 25m |
| WarmLight Viewable Length | Up to 20m |
| Type of complementary light | Default warm light, switchable infrared light |
| Motion Detection | Off/On (8 Level) |
| Wide Dynamic Range | 120 dB |
| Digital Noise Reduction | 3D DNR |
| Image Setting | Full Color Mode/Day&Night Mode/Smart Illumination |
| White Balance | Auto/Manual |
| Electronic Shutter Speed | 1/5 ~ 1/20000s |
| On-Board Storage | Micro SD slot, up to 256GB |
| Alarm | N/A |
| Audio | Built-in microphone&Speaker |
| Custom Voice | Yes |
| Hardware Reset | Yes |
| Smart Feature | Face Recognition, Pedestrian & Vehicle, Perimeter Intrusion, Multi-Target-Type Recognition, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Intrusion, Region Entrance, Region Exiting, Fall Detection, Fire&Smoke Detection |

| **Network** | |
|---|---|
| Ethernet | RJ45(10/100BASE-T) |
| Video Compression Format | H.265/H.264/H.265+/H.264+/MJPEG |
| Resolution | Mainstream@30fps<br>8MP(3840x2160),5MP(2592x1944,3072x1728),<br>4MP(2592x1520),3MP(2304x1296),1080P(1920x1080),<br>960P(1280*960),720P(1280x720)<br>Substeam@30fps<br>720P(1280x720),VGA(640x480),QVGA(320x240)<br>Mobilestream@30fps<br>VGA(640x480), QVGA(320x240) |
| Video Quality Adjustment | 256Kbps ~ 16Mbps |
| Bitrate control method | CBR/VBR |
| IP | IPv6 |
| Protocol | TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,<br>SMTP,NTP,UPnP,SNMP,HTTPS,FTP |
| Security | IP address filter;complicated password;Authenticated username and password |
| Application Programming Interface | ONVIF (Profile S/G/T/M) |
| Web Viewer | IE10/11<br>Safari V12.1 above<br>Firefox V.52 above<br>Google chrome V.57 above<br>Edge V.79 above |

| Environmental | |
|---|---|
| Operating Conditions | -35 ~ +60°C/less than ≤ 90% RH |
| Ingress Protection | IP67 |

| Electrical | |
|---|---|
| Input Voltage / Current | D12V/POE |

| Mechanical | |
|---|---|
| Material | Metal |

**User Manual**

**AI Color Pro App**