

# A427

## 4MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, ELLS, 4.3x Zoom Lens



- 4 Megapixel
- Day & Night with Extreme Low Light Sensitivity and Adaptive IR LED
- 4.3x Zoom Lens with f2.8-12mm/F1.2-F2.5, P-Iris, Auto focus (for installation)
- Extreme WDR
- H.265 Compression
- Super wide angle
- Built-in Analytics

### ► Specifications

#### Device

|                          |  |
|--------------------------|--|
| Product Type             | Zoom Bullet  |
| Maximum Resolution       | 4MP  |
| Application Environment  | Outdoor  |
| Image Sensor             | Progressive Scan CMOS  |
| Sensor Size              | 1/1.8 "  |
| Day / Night              | Yes  |
| Low Light Sensitivity    | Extreme  |
| Minimum Illumination     | Color: 0.0005 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)     |
| Mechanical IR Cut Filter | Yes  |
| IR LED                   | Adaptive IR LED  |
| IR Working Distance      | 50m  |
| Electronic Shutter       | 1-1/100000 second (manual mode); 1-1/100000 second (auto mode) |
| S/N Ratio                | 75 dB  |

#### Lens

|              |                 |
|--------------|-----------------|
| Focal Length | Zoom, f2.8-12mm |
|--------------|-----------------|

|                          |                                      |
|--------------------------|--------------------------------------|
| Aperture                 | F1.2-F2.5                            |
| Zoom Ratio               | 4.3x optical zoom                    |
| Zoom Application         | Camera Installation                  |
| Iris                     | P-Iris                               |
| Focus                    | Auto focus                           |
| Lens Mount               | Board mount                          |
| Horizontal Viewing Angle | 114.5° - 41.8°                       |
| Vertical Viewing Angle   | 59.3° - 23.6°                        |
| Viewing Angle Adjustment | Pan: 360°, Tilt: 90°, Rotation: 360° |

## Video

|                                   |   |
|-----------------------------------|---|
| Compression                       | H.265, H.264 (Baseline/ Main/ High profile), MJPEG  |
| Maximum Frame Rate vs. Resolution | 30 fps at 2688 x 1520 60 fps at 2560 x 1440 60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 640 x 480  |
| Multi-Streaming                   | Simultaneous 5 streams  |
| Wide Dynamic Range                | Extreme WDR (140 dB)  |
| Image Enhancement                 | White Balance, Backlight compensation (BLC), Brightness, Contrast, Sharpness, Saturation, Defogging, Digital Image Stabilizer (DIS, EIS)  |
| Digital Noise Reduction           | 3D DNR  |
| Privacy Mask                      | 8 configurable regions  |
| Text Overlay                      | Yes   |
| Built-in Analytics                | Deep Learning : People Detection, Face Recognition, Face Detection, Vehicle Detection, Tampering Detection, Intrusion Detection (Forbidden Area Detection), Missing Object Detection, Unattended Object Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection, People Loitering Detection, People Counting, Crowd Detection, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection, Vehicle Loitering Detection, Parked Vehicle Detection |
| Image Orientation                 | Flip, Mirror, Rotation (Corridor mode)  |

## Network

|                            |  |
|----------------------------|--|
| Network Protocol & Service | IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, Bonjour, UPnP, QoS, SSL/TLS, SNMP |
| Ethernet Port              | 1 x Ethernet (10/100/1000 Base-T), RJ-45 connector   |
| Maximum User Connections   | 32   |
| Security                   | IP address filtering, HTTPS encryption, Password protected user level  |

## Event

|               |  |
|---------------|--|
| Event Trigger | Video motion detection, External device through digital input, Shock Detection, Intelligent event detection, |
|---------------|--|

## Integration

|                 |   |
|-----------------|---|
| Edge Recording  | Support (integration with NVR by ONVIF Profile G)*          |
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T                        |
| Web Browser     | IE 11, Microsoft Edge, Google Chrome, Firefox, Apple Safari |

Interface

|                      |   |
|----------------------|---|
| Local Storage        | MicroSD, MicroSDHC, MicroSDXC memory card slot (card not included, up to 1TB, Kingston or Sandisk only) |
| Digital Input/Output | 2/2   |
| Operating Button     | Reset Button  |

General

|                       |  |
|-----------------------|--|
| Power Source          | DC 12V, High PoE (IEEE802.3at)   |
| Power Consumption     | 16.8 W (PoE)   |
| Dimensions            | (Ø x L): 144mm x 347mm (5.67" x 13.66")  |
| Environmental Casing  | Weatherproof (IP67), Vandal proof metal casing (IK10)  |
| Corrosion Protection  | Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.                                    |
| Mount Type            | Pole Mount, Corner Mount   |
| Heater                | Yes  |
| Operating Temperature | -30°C ~ 60°C (-22°F ~ 140°F)   |
| Approvals             | CE Class A, FCC Class A, IP67, IK10 (metal casing)   |
| Color                 | White  |
| Warranty              | 3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a> |

\* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

