

4K Bullet IP Camera

- 4K 1/2.8" CMOS image sensor, low luminance, and high-definition image
- Quad Streaming
- Intelligent Analytics Supported: People Counting, Vehicle Counting, Human Detection, Electronic Fence (Entry, Exits & Loitering Detection), Line Crossing, Wrong Direction Detection (Retrograde Detection), Safety Helmet Detection, Off-site Detection
- HTTPS, SSL, Digest Authentication, AES 256
- Encryption, RTSP Validation
- Digital Alarm 1 Ch In/1 Ch Out



AI Video Analytics

Sparsh AI based camera offers real time and high accuracy video analytics function for multiple events such as Motion detection, People Counting, Intrusion, Line Crossing, Missing Object, Wrong Direction Detection, Safety Helmet Detection.



Motion Detection

Motion detection function allows users to monitor specific areas clearly and timely. When motion is detected in the area of interest, the camera will send an alert to an authorized person.

Cyber Security

The camera is more secure and reliable with features such as HTTPS digest authentication, RTSP validation, AES encryption, Watermark, User Authentication, and encrypted firmware.



Technical Specifications:

| Specifications | SC-ID82BP- I(Z)(S) |
|----------------------|---|
| Camera | |
| Image sensor | 1/2.8" Low Illumination Progressive Scan CMOS Sensor |
| Effective Pixels | 3840(H)X2160(V) |
| Aspect Ratio | 16:9 |
| Min. Illumination | Color: 0.001Lux @ (F1.2, AGC ON), 0.014 Lux @ (F1.4, AGC ON), 0 Lux with IR |
| S/N Ratio | ≥58dB (AGC OFF) |
| IR Distance | 2.7-13.5mm:50-60Mtr 5-50mm: 80-100Mtr |
| Shutter Speed | Auto, Slow Shutter, (1/5 sec ~ 1/100,000 sec Adjustable) |
| Slow Shutter | On/ Off |
| WDR | Up to 120 dB, TWDR (Off/ Low/ Middle/ High) |
| IR LED Control | Auto, Manual, OFF |
| 3D DNR | Low, MID-Low, MID, MID- HIGH, High |
| Day/Night | ICR switch, Auto, Color, B&W, External Trigger |
| Defog | Off, Low, Middle, High |
| Output | PAL/NTSC adjustable |
| Lens | |
| Lens Type | VF 2.7-13.5mm (Optional: Motorized VF 2.7-13.5mm, VF 5-50mm, Motorized VF 5-50mm) |
| Mount Type | M12 |
| IRIS Control | Manual/Auto |
| Angle Of View | 2.7-13.5mm- Horizontal: 121.36° to 34° Vertical: 52° to 19° Diagonal: 116° to 40° 5-50mm- Horizontal: 62° to 7° Vertical: 48° to 5° Diagonal: 75° to 8° |
| Focus Control | Manual/Auto |
| Video | |
| Compression | H.265/H.264/MJPEG |
| H.265 Encoding | Main Profile |
| H.264 Encoding | BaseLine / Main Profile / High Profile |
| Streaming Capability | Quad Streams |
| Resolution | 4K/2MP/720P/VGA |
| Streams | Mainstream: 4K(3840x2160) @25/30fps Sub Stream: 1080P(1920X1080)@25/30fps Third Stream: VGA(640x480)@15fps Fourth Stream: VGA(640x480)@15fps |
| Frame Rate | 1~ 30fps |
| Video bit Rate | Constant bit rate, variable bit rate (32kbps-16Mbps) |
| I - Frame | 2 -255 |
| Color Mode | Normal, Bright, Nature |



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| Exposure Mode | Off, High Light correction, Backlight Correction, Range (1-10) |
| BLC Mode | 1-10 configurable Levels |
| White Balance | Auto, Manual, Warm light, Natural light, Incandescent lamp, Fluorescent lamp, Locked WB |
| Gain Control | Low, MID-Low, MID, MID- HIGH, High |
| Sharpness | 0-255 |
| Digital Zoom | 25X |
| Anti - Flicker | Off/ON |
| AE Algorithms | Shutter Priority, Gain Priority |
| Mirror | Off, Horizontal Mirror, Vertical Mirror, 180-degree flip |
| Gamma Mode | Curve 1.6, Curve 1.8, Curve 2.0, Curve 2.2 |
| Privacy Masking | Support 4 area privacy mask |
| ROI | Support 4 Zone |
| Display Overlay (OSD) | Title, time and date overlay, multi-line OSD, OSD Color Selection |
| Image Setting | Brightness, Contrast, Sharpness, Saturation, Chroma |
| Smart Event | |
| Motion Detection | Set Detection Area, Period, Can Set Multi-Level Sensitivity |
| Temper Detection | Support |
| IVA | People Counting, Vehicle Counting, Human Detection, Electronic Fence (Entry, Exits & Loitering Detection), Line Crossing, Wrong Direction Detection (Retrograde Detection), Safety Helmet Detection, Off-site Detection |
| Event Actions | Enable Alarm Out, Send Email, Start Recording, Play Customized Audio Warning |
| PTZ(Manual) | |
| Pan | 0° ~360° |
| Tilt | 0° ~90° |
| Rotation | 0° ~360° |
| Audio | |
| Compression | G.711U |
| Audio Bit Rate | 8 – 64 Kbps |
| Network | |
| Network Port | RJ45 10M, 100M Network Self Adjustable |
| Protocol | TCP/IP, IPv4, IPv6, SSL, TLS, UDP, HTTP/HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, FTP, IGMP, Multicast |
| System Compatibility | ONVIF Profile S & G |
| Max. User Access | 20 Users |
| Discovery Interface | UPnP, ONVIF, Sparsh Utility to Detect camera automatically and configure network settings |
| Web Server | Built In web server with interactive Graphical User Interface |
| General Function | User Authentication, Watermark, IP address filtering |
| Security Mode | Authorized username and password, HTTPS with password, AES Encryption for password, RTSP Validation |
| ANR | Support |
| Streaming | Unicast & Multicast |



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| Interface | |
| Audio | Built-In-Mic or 1 IN/1 Out (Optional) |
| Alarm | 1Ch Alarm IN, 1Ch Alarm Out (Optional) |
| SD Card | Yes, Up to 256GB (Optional) |
| General | |
| Operating Conditions | -40 °C ~ 70 °C Humidity 95% or Less (Non-Condensing) |
| Storage Conditions | -40 °C ~ 70 °C Humidity 95% or Less (Non-Condensing) |
| Ingress Protection | IP67 Compliant |
| Vandalism Protection | IK10 Compliant |
| Surge Protection | TVS 4000V Lightning Protection, Surge Protection & Voltage Transient Protection |
| Power supply | DC 12V ± 10% / PoE (802.3af) |
| Power Consumption | <12W |
| Dimension & Weight | 270mm(L) x140mm(W) x 97.7mm(H), 1.3kg |
| Product Certification | Safety: CE, FCC, EN:60950-1, IS 13252 (Part 1):2010, BIS Registered |

Ordering Information:

| Sr. No. | Ordering Model | Audio | Alarm | SD Card |
|---------|--|-------|-------|---------|
| 1. | SC-ID82BP- I(Z)(S) with VF 2.7-13.5mm lens | NA | NA | NA |
| 2. | SC-ID82BP- I(Z)(S) with VF 2.7-13.5mm lens | Yes | NA | NA |
| 3. | SC-ID82BP- I(Z)(S) with VF 2.7-13.5mm lens | Yes | NA | Yes |
| 4. | SC-ID82BP- I(Z)(S) with VF 2.7-13.5mm lens | Yes | Yes | Yes |
| 5. | SC-ID82BP- I(Z)(S) with Motorized VF 2.7-13.5mm lens | NA | NA | NA |
| 6. | SC-ID82BP- I(Z)(S) with Motorized VF 2.7-13.5mm lens | Yes | NA | NA |
| 7. | SC-ID82BP- I(Z)(S) with Motorized VF 2.7-13.5mm lens | Yes | NA | Yes |
| 8. | SC-ID82BP- I(Z)(S) with Motorized VF 2.7-13.5mm lens | Yes | Yes | Yes |
| 9. | SC-ID82BP- I(Z)(S) with VF 5-50mm lens | NA | NA | NA |
| 10. | SC-ID82BP- I(Z)(S) with VF 5-50mm lens | Yes | NA | NA |
| 11. | SC-ID82BP- I(Z)(S) with VF 5-50mm lens | Yes | NA | Yes |
| 12. | SC-ID82BP- I(Z)(S) with VF 5-50mm lens | Yes | Yes | Yes |
| 13. | SC-ID82BP- I(Z)(S) with Motorized VF 5-50mm lens | NA | NA | NA |
| 14. | SC-ID82BP- I(Z)(S) with Motorized VF 5-50mm lens | Yes | NA | NA |
| 15. | SC-ID82BP- I(Z)(S) with Motorized VF 5-50mm lens | Yes | NA | Yes |
| 16. | SC-ID82BP- I(Z)(S) with Motorized VF 5-50mm lens | Yes | Yes | Yes |



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