8MP Bullet Camera

- 1/2.8" Low Illumination Progressive Scan CMOS Sensor
- Quad Streaming
- Multiple compression techniques H.265/H.264/MJPEG
- Support 3D DNR, HLC, WDR
- Support bi-directional Talk
- IP67 Complaint
- OWASP Rev. 4.0 Level 2 Cyber Security Certified by STQC

Rev 1.3

Cyber Security

The camera is secured and reliable with OWASP Rev. 4.0 Cyber Security standard as per IoTSCS scheme by STQC with features such as HTTPS digest authentication, Watermark, RTSPS, AES 256 encryption, SHA256 and RSA2048, OTP, Signed Firmware, Firmware Anti-rollback, TEE (Trusted Execution Environment) and TRNG
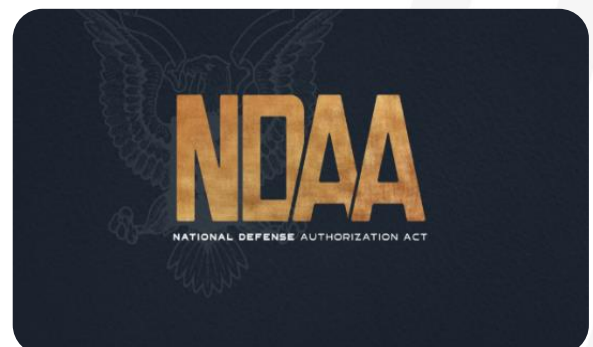
Mean Time Between Failure (MTBF)

With MTBF of more than 100000 hours this camera operates without disturbances. The procedure for determining the amount of mean time between failure involves taking the entire operating time of an equipment and dividing it by the total number of failures that happened during that same time.

NDAA Compliant

These cameras are fully NDAA compliant. With adherence to the National Defense Authorization Act's rigorous standards, rest assured that your surveillance solution not only offers unmatched performance but also aligns with the highest levels of regulatory compliance.

Technical Specifications:

Specifications	SC-IND82BP-I(Z)(S)
Camera	
Image sensor	1/2.8", 4K 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	3.6mm: 20-30Mtr 8mm, 2.7-13.5mm: 50-60Mtr 6-22mm: 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	2.8-12mm Motorized Zoom Lens (Optional: 3.6mm, 8mm, 6-22mm Motorized Lens)
IRIS Control	Auto
Angle Of View	**3.6mm-** Horizontal:89°, Vertical:47°,Diagonal:105°(D), **8mm**-45°(H)26°(V)55°(D), **2.7-13.5mm-** Horizontal: 121.36° to 34° Vertical: 52° to 19° Diagonal: 116° to 40° **6-22mm-** Horizontal: 50° to 15° Vertical: 30° to 11° Diagonal: 47° to 13.5°
Mount Type	M14
Focus Control	Auto/ Manual
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/4MP/2MP/720P/VGA
Streams	Mainstream: 4K (3840X2160)@25/30fps Sub Stream: 1080P (1920X1080)@25/30fps Third Stream: VGA(640x480)@10fps Fourth Stream: VGA(640x480)@10fps
Frame Rate	1~ 30fps
Video bit Rate	Constant bit rate, variable bit rate (16kbps-16Mbps)
I - Frame	2 -255
Color Mode	Normal, Bright, Nature
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
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(Optional)	Electronic Fence (Entry, Exits & Loitering Detection), Line Crossing Detection
Event Actions	Enable Alarm Out, Send Email, Start Recording, Play Customized Audio Warning
Audio	
Compression	G.711U/A
Audio Bit Rate	8 – 64 Kbps
Network	
Network Port	RJ45 10M, 100M Network Self Adjustable
Protocol	TCP/UDP, IPv4, IPv6, SSL, TLS, HTTP/HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, RTP, RTSPS, NTP, SMTP, IGMP, Multicast
System Compatibility	ONVIF Profile S, G & T
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 Features	Authorized username and password, HTTPS with password, HTTPS digest authentication, Watermark, RTSPS, AES 256 encryption, SHA256 and RSA2048, OTP, Signed Firmware, Firmware Anti-rollback, TEE (Trusted Execution Environment), TRNG, User Authentication, and encrypted firmware, Hardware Secure Boot,
ANR	Support
Streaming	Unicast & Multicast
Interface	
Audio	Built-In-Mic or 1 IN/1 Out
Alarm	1Ch Alarm IN, 1Ch Alarm Out
SD Card	Yes, Up to 256GB
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 EMC & Immunity: CE, FCC Cyber Security: ISO/IEC 27400 OWASP Level 2 of ASVS v4.0 Appendix C Certificate No. STQC/IOTSCS/0922/001U1 Reliability Certification: MTBF >1,00,000 hours at 40°C

Ordering Information

S. No.	Ordering Model	Resolution	Lens	IVA
1.	SC-IND82BP-I(Z)(S)	8MP(3840(H)X2160(V))	2.8-12mm	NA
2.	SC-IND82BP-I(Z)(S) with IVA	8MP(3840(H)X2160(V))	2.8-12mm	Support
3.	SC-IND82BP-I(Z)(S) with 5-50mm lens	8MP(3840(H)X2160(V))	5-50mm	NA
4.	SC-IND82BP-I(Z)(S) with 5-50mm lens & IVA	8MP(3840(H)X2160(V))	5-50mm	Support
5.	SC-IND82BP-I(Z)(S) with 3.6mm lens	8MP(3840(H)X2160(V))	3.6mm	NA
6.	SC-IND82BP-I(Z)(S) with 3.6mm lens & IVA	8MP(3840(H)X2160(V))	3.6mm	Support
7.	SC-IND82BP-I(Z)(S) with 8mm lens	8MP(3840(H)X2160(V))	8mm	NA
8.	SC-IND82BP-I(Z)(S) with 8mm lens & IVA	8MP(3840(H)X2160(V))	8mm	Support

*Note: Note: Sparsh offers customized products and solutions as per site or customer requirements, minor changes in specifications and appearance are warranted and tracked version wise for customized requirements.

* The latest product information / specification can be found at sparshsecuritech.com