8MP Bullet Camera

- 1/1.8" Low Illumination Progressive Scan Sony CMOS Sensor
- Quad Streaming
- Multiple compression techniques H.265/H.264/MJPEG
- Support 3D digital, HLC, WDR
- Support bi-directional Talk
- IP67 Complaint
- Cyber Security Certified by STQC as per IoTSCS and meet the essential requirement issued by MeitY

Rev 1.3

Cyber Security

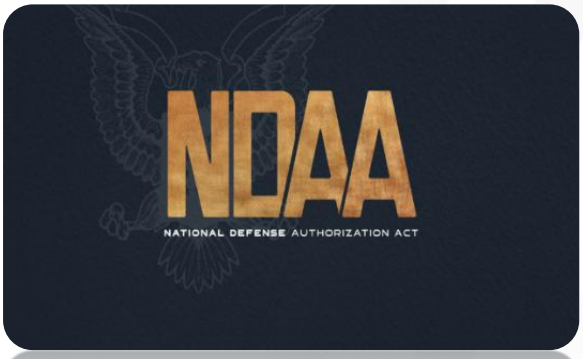
The camera is secured and reliable with Cyber Security Certificate by STQC as per IoTSCS and features such as HTTPS digest authentication, Watermark, RTSPS, AES 256 encryption, SHA256 and RSA2048, OTP, Signed Firmware, Firmware Anti-rollback, TEE (Trusted Execution Environment) and TRNG

Quad Streaming

Quad Streaming allows simultaneous video output in four different resolutions, optimizing bandwidth usage and enabling flexible viewing or recording options across multiple devices or network environments.

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-IND81BP-I(Z)(S)
Camera	
Image sensor	1/1.8", 4K Low Illumination Progressive Scan Sony 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	2.8mm: Upto 30m 3.6mm: Upto 30m 6mm: Upto 50m 8mm: Upto 50m 2.7-13.5mm: Upto 50m
Shutter Speed	Auto, Slow Shutter, (1/1 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
Profile	Day and Night
Day/Night Mode	ICR switch, Auto, Color, B&W, External Trigger
Defog	Off, Low, Middle, High
Output	PAL/NTSC adjustable
Max. Aperture	F1.4
RTC (Real-Time Clock)	Support
Lens	
Lens Type	3.6mm Fixed lens (Optional: 2.8mm, 6mm, 8mm Fixed lens, 2.7-13.5mm Motorized Zoom Lens, 2.7-13.5mm VF lens)
IRIS Control	Auto, DC Control
Angle Of View	**2.8mm:** 108.8°(H) 75.8°(V) 115.3°(D) **3.6mm:** 94.6°(H) 62.2°(V) 103°(D) **6mm:** 66°(H) 40°(V) 73°(D) **8mm:** 38.8°(H) 22.9°(V) 43.5°(D) **2.7-13.5mm:** 93.3° to 27.7°(H), 61.6° to 14.4°(V), 101.5° to 27.6°(D)
Mount Type	M12
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)
Backlight Mode	Off/ BLC/ HLC (1-10 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
Tamper Detection	Alerts when the camera is blocked, defocused, or tampered intentionally or unintentionally
Event Actions	Enable Alarm Out, Send Email, Start Recording, Play Customized Audio Warning, PTZ Linkage, Snapshot
PT(Manual)	
Pan	0° ~360°
Tilt	0° ~90°
Audio	
Compression	G.711U and G.711A (Support mic in/line in)
Audio Bit Rate	8 – 64 Kbps
Network	
Network Port	RJ45 10M/100M Network Self Adjustable
Protocol	TCP/IP, IPv4, IPv6, SSL, TLS, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, RTP, RTSP, RTSPS, RTCP, ICMP, NTP, SMTP, IGMP, SNMP (V1, V2, V3), UDP, Multicast
System Compatibility	ONVIF Profile S, G, M & T
Max. User Access	20 Users (8 Simultaneous)
Discovery Interface	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 (Optional)	Built-In-Mic or 1 IN/1 Out (Full Duplex)
Alarm (Optional)	1Ch Alarm IN, 1Ch Alarm Out
SD Card	Yes, Up to 2TB
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
Material Housing	Casing: Aluminum + Plastic
Front lens cover	Glass
Surge Protection	TVS 4000V Lightning Protection, Surge Protection & Voltage Transient Protection
Power supply	DC 12V ± 10% / PoE (802.3af)
Power Consumption	<12W
Dimension & Weight	304mm(L) x 77mm(W) x 87mm(H), 680g
Product Certification	CE, FCC, IS 13252 (Part 1):2010, BIS Registered Cyber Security: ER (Essential Requirement) Certified by STQC

Ordering Information:

S. No.	Ordering Model	Resolution	Lens	Audio	Alarm
1.	SC-IND81BP-I(Z)(S) with 2.8mm lens	8MP(3840(H)X2160(V))	2.8mm	NA	NA
2.	SC-IND81BP-I(Z)(S) with 3.6mm lens	8MP(3840(H)X2160(V))	3.6mm	NA	NA
3.	SC-IND81BP-I(Z)(S) with 6mm lens	8MP(3840(H)X2160(V))	6mm	NA	NA
4.	SC-IND81BP-I(Z)(S) with 8mm lens	8MP(3840(H)X2160(V))	8mm	NA	NA
5.	SC-IND81BP-I(Z)(S) with 2.7-13.5mm lens	8MP(3840(H)X2160(V))	2.7-13.5mm	NA	NA
6.	SC-IND81BP-I(Z)(S) & with 2.8mm lens & Audio	8MP(3840(H)X2160(V))	2.8mm	NA	NA
7.	SC-IND81BP-I(Z)(S) & with 3.6mm lens & Audio	8MP(3840(H)X2160(V))	3.6mm	Support	Support
8.	SC-IND81BP-I(Z)(S) with 6mm lens & audio	8MP(3840(H)X2160(V))	6mm	Support	Support
9.	SC-IND81BP-I(Z)(S) with 8mm lens & audio	8MP(3840(H)X2160(V))	8mm	Support	Support
10.	SC-IND81BP-I(Z)(S) with 2.7-13.5mm lens & audio	8MP(3840(H)X2160(V))	2.7-13.5mm	Support	Support

DORI Information:

Lens (mm)	Detection	Observation	Recognition	Identification
2.8mm	81m	31M	14m	6m
3.6mm	78m	30m	13.5m	5.5m
6mm	76m	29m	13m	5m
8mm	74m	28m	12.5m	4.5m
2.7-13.5mm	82m-72m	31.5m-27.5m	14.2m-12m	6.2m-4m

*Product specifications & appearance are subject to change without prior notice or obligation.