

4MP Bullet Camera

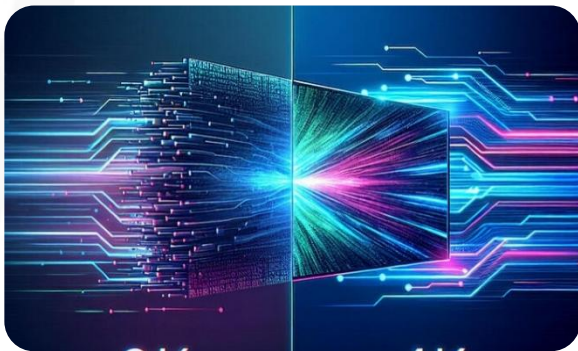
- 1/2.8" Low Illumination Progressive Scan CMOS Sensor
- Quad Streaming
- Multiple compression techniques H.265/H.264/MJPEG
- Support 3D DNR, HLC, WDR
- Support bi-directional Talk
- IP67 Complaint
- Cyber Security Certified by STQC as per IoTSCS and meet the essential requirement issued by MeitY



Rev 1.3

Cyber Security

The camera is secured and reliable as per IoTSCS for Essential Requirements (ER) issued by MeitY for CCTV 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

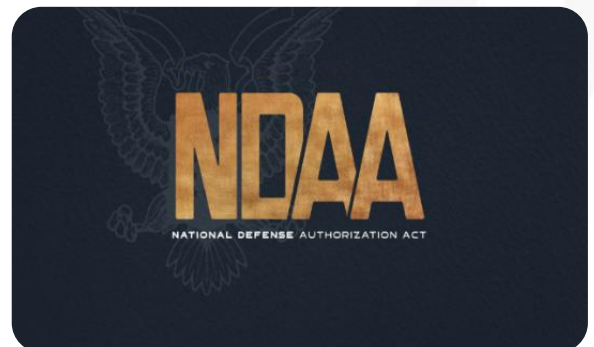


High Resolution Image

The Sparsh camera utilizes advanced imaging sensors to produce high-resolution images, ensuring superior detail and clarity. It excels in low-light environments, enabling effective monitoring and accurate identification. The camera incorporates cutting-edge processing algorithms to enhance image quality and reduce noise, while its user-friendly interface facilitates seamless operation.

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-IND43BP-I(Z)(S)
Camera	
Image sensor	1/2.8", 4MP Low Illumination Progressive Scan CMOS Sensor
Effective Pixels	2560(H)X1920(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 upto 30m 2.8mm upto 30m 6mm upto 50m 8mm upto 50m 2.7-13.5mm upto 40-60m 5-50mm upto 80-100m
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
Profiles	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	2.7-13.5mm Motorized Zoom Lens (Optional: 3.6mm, 2.8mm, 6mm, 8mm Fix lens, 2.7-13.5mm, 5-50mm VF lens, 5-50mm Motorized Lens)
IRIS Control	Auto, DC Control
Angle Of View	3.6mm: 72.6°(H) 57.1°(V) 83.4°(D), 2.8mm: 85°(H) 70°(V) 96.3°(D) 6mm: 47°(H), 38°(V), 56.7°(D) 8mm: 36.3°(H) 27.6°(V) 43.5°(D), 2.7-13.5mm: 87° to 22°(H) 72.6° to 16.6°(V) 99° to 27.4°(D) 5-50mm: 55.3° to 6°(H), 43° to 4.5°(V), 66.3° to 7.5°(D)
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	5MP/4MP/2MP/720P/VGA

Streams	Mainstream: 5MP(2560X1920)@20fps / 4MP(2560x1440)@25/30fps / 1080P(1920x1080)@60fps Sub Stream: 720P(1280x720)@25/30fps Third Stream: VGA(640x480)@15fps Fourth Stream: VGA(640x480)@15fps
Frame Rate	1~ 60fps
Video bit Rate	Constant bit rate, variable bit rate (16kbps-8Mbps)
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
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
IVA(Optional)	
Smart Motion Detection	Supports intelligent motion detection based on human target classification, effectively filtering out false alarms triggered by vehicles, animals, rain, shadows, or light changes.
People Counting	Supports uni- or bidirectional counting of humans, vehicles, or both, with options to add, subtract, or ignore counts for a single directional line
Line Crossing Detection	4 Lines, Crossing a pre-defined virtual line
Loitering Detection	Detect in case of loitering in monitored areas
Intrusion Detection	Enter in a pre-defined virtual region
Retrograde Detection	Detects when a person/vehicle is moving in the opposite direction of the predefined path
Absent Detection	Detect the absence of a person from a predefined area for a certain period
Event Actions	Enable Alarm Out, Send Email, Start Recording, Play Customized Audio Warning, PTZ Linkage, Snapshot
Face Detection	Support
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, UPnP, SSL, TLS, HTTP, HTTPS, HTTP Push, HTTPS Push, HTTP-Base 64, HTTPS-Base 64, HTTP-Digest, FTP/SFTP, DDNS, 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	Built-In-Mic or 1 IN/1 Out (Full Duplex)
Alarm	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	264mm(L) x140mm(W) x 101mm(H), 1.3kg
Product Certification	Safety: CE, FCC, IS 13252 (Part 1):2010, BIS Registered Cyber Security Certified by STQC as per IoTSCS and meet the essential requirement issued by MeitY Reliability Certification: MTBF >1,00,000 hours at 40°C

Ordering Information:

S. No.	Ordering Model	Resolution	Lens	IVA
1.	SC-IND43BP-I(Z)(S) with 2.7-13.5 Motorized lens	5MP(2560X1920)	2.7-13.5mm	NA
2.	SC-IND43BP-I(Z)(S) with 2.7-13.5mm VF lens	5MP(2560X1920)	2.7-13.5mm	NA
3.	SC-IND43BP-I(Z)(S) with 5-50mm Motorized lens	5MP(2560X1920)	5-50mm	NA
4.	SC-IND43BP-I(Z)(S) with 5-50mm VF lens	5MP(2560X1920)	5-50mm	NA
5.	SC-IND43BP-I(Z)(S) with 3.6mm lens	5MP(2560X1920)	3.6mm	NA
6.	SC-IND43BP-I(Z)(S) with 2.8mm lens	5MP(2560X1920)	2.8mm	NA
7.	SC-IND43BP-I(Z)(S) with 6mm lens	5MP(2560X1920)	6mm	NA
8.	SC-IND43BP-I(Z)(S) with 8mm lens	5MP(2560X1920)	8mm	NA
9.	SC-IND43BP-I(Z)(S) with 2.7-13.5 Motorized lens & IVA	5MP(2560X1920)	2.7-13.5mm	Support
10.	SC-IND43BP-I(Z)(S) with 2.7-13.5mm VF lens & IVA	5MP(2560X1920)	2.7-13.5mm	Support
11.	SC-IND43BP-I(Z)(S) with 5-50mm lens & IVA	5MP(2560X1920)	5-50mm	Support
12.	SC-IND43BP-I(Z)(S) with 5-50mm VF lens & IVA	5MP(2560X1920)	5-50mm	Support
13.	SC-IND43BP-I(Z)(S) with 3.6mm lens & IVA	5MP(2560X1920)	3.6mm	Support
14.	SC-IND43BP-I(Z)(S) with 2.8mm lens & IVA	5MP(2560X1920)	2.8mm	Support
15.	SC-IND43BP-I(Z)(S) with 6mm lens & IVA	5MP(2560X1920)	6mm	Support
16.	SC-IND43BP-I(Z)(S) with 8mm lens & IVA	5MP(2560X1920)	8mm	Support

DORI Information:

Lens (mm)	Detection	Observation	Recognition	Identification
2.7-13.5mm	60m-264.7m	23m-106.5m	10.5m-52.6m	3.5m-26m
5-50mm	104m-1065m	41m-430m	20m-213m	9m-106.5m
3.6mm	77m	30m	14.5m	6.5m
2.8mm	62m	24m	11m	4.8m
6mm	124m	49.5m	24m	12m
8mm	162.5mm	65mm	32mm	16mm

***Note:** Note: Sparsh offers customized products and solution 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



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

