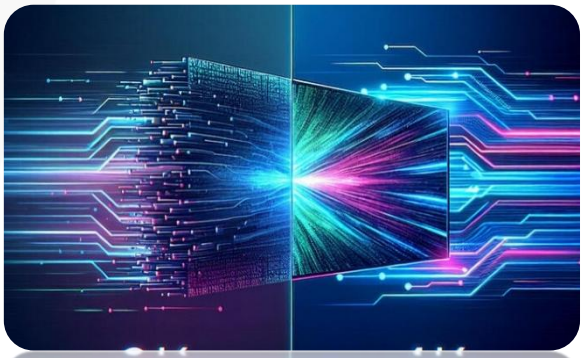
5MP Bullet Camera

- 1/1.8" 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 like HTTPS digest authentication, Watermark, RTSPS, AES 256 encryption, SHA256 and RSA2048, OTP, Signed Firmware, Firmware Anti-rollback, TEE (Trusted Execution Environment) and TRNG.

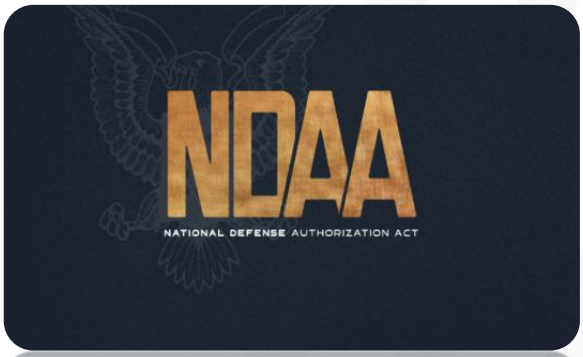


High Resolution Image

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-IND52BP-I(Z)(S)
Camera	
Image sensor	1/1.8", 5MP Low Illumination Progressive Scan CMOS Sensor
Effective Pixels	2560(H)x1920(V)
Aspect Ratio	4:3
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 40-60m 5-50mm Upto 80-100m 6-22mm 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: 2.8mm, 3.6mm, 6mm, 8mm Fix Lens, 2.7-13.5mm, 5-50mm, 6-22mm VF lens, 5-50mm, 6-22mm Motorized 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:** 51.7°(H) 30.5°(V) 58°(D), **2.7-13.5mm:** 110.3° to 32°(H), 77.7° to 18.4°(V), 117.3° to 36.2°(D) **5-50mm:** 75.6° to 9°(H) 47° to 5°(V) 84° to 10.2°(D) **6-22mm:** 66°-20°(H), 40°-11.3°(V), 73°-22.8°(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/2MP/VGA
Streams	**Mainstream:** 5MP (2560X1920)@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
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
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
1.	SC-IND52BP-I(Z)(S) with 2.7-13.5 Motorized lens	5MP(2560(H)X1920(V))	2.7-13.5mm
2.	SC-IND52BP-I(Z)(S) with 5-50mm Motorized lens	5MP(2560(H)X1920(V))	5-50mm
3.	SC-IND52BP-I(Z)(S) with 6-22mm Motorized lens	5MP(2560(H)X1920(V))	6-22mm
4.	SC-IND52BP-I(Z)(S) with 2.7-13.5mm VF lens	5MP(2560(H)X1920(V))	2.7-13.5mm
5.	SC-IND52BP-I(Z)(S) with 5-50mm VF lens	5MP(2560(H)X1920(V))	5-50mm
6.	SC-IND52BP-I(Z)(S) with 6-22mm VF lens	5MP(2560(H)X1920(V))	6-22mm
7.	SC-IND52BP-I(Z)(S) with 2.8mm lens	5MP(2560(H)X1920(V))	2.8mm
8.	SC-IND52BP-I(Z)(S) with 3.6mm lens	5MP(2560(H)X1920(V))	3.6mm
9.	SC-IND52BP-I(Z)(S) with 6mm lens	5MP(2560(H)X1920(V))	6mm
10.	SC-IND52BP-I(Z)(S) with 8mm lens	5MP(2560(H)X1920(V))	8mm

DORI Information:

Lens (mm)	Detection	Observation	Recognition	Identification
2.7-13.5mm	52m-196m	19m-78.5m	8m-39m	2.5m-19m
5-50mm	80m-715m	30m-288m	14.5m-143m	6.5m-71m
6-22mm	93m-316.5m	36.5m-127m	17.5m-63m	8m-31m
2.8mm	53m	20m	8m	2.5m
3.6mm	62m	24m	11m	4m
6mm	93m	36.5m	17.5m	8m
8mm	120m	48m	23m	11m

***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