sparsh
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DIAMOND SERIES

2MP Bullet IP Camera

- 2MP 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.

#SurakshaSarhadSeGharTak

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Technical Specifications:

Specifications	SC-ID22BP-R5	SC-ID22BP-R8
Camera		
Image sensor	1/2.8" Low Illumination Progressive Scan CMOS Sensor	
Effective Pixels	1920(H)X1080(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	40-50Mtr	50-60Mtr
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	8mm	12mm
Mount Type	M12	
IRIS Control	Auto	
Angle Of View	89°(H)47°(V)105°(D)	
Focus Control	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	2MP/720P/VGA	
Streams	**Mainstream:** 1080P(1920x1080)@25/30fps **Sub Stream:** 720P(1280x720)@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-12Mbps)	
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
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
Interface	
Audio	Built-In-Mic or 1 IN/1 Out (Optional)

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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-ID22BP-R5	NA	NA	NA
2.	SC-ID22BP-R5	Yes	NA	NA
3.	SC-ID22BP-R5	Yes	NA	Yes
4.	SC-ID22BP-R5	Yes	Yes	Yes
5.	SC-ID22BP-R8	NA	NA	NA
6.	SC-ID22BP-R8	Yes	NA	NA
7.	SC-ID22BP-R8	Yes	NA	Yes
8.	SC-ID22BP-R8	Yes	Yes	Yes

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

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