



3MP Vandal Dome Camera

SC-IM20DP-R2L

Key feature

- 1/2.7" 3MP Low Illumination CMOS Sensor
- H.265 codec, ultra-low bit rate
- Resolution 2048 X 1536
- Built-in IR LED, IR distance: upto 30 m
- Intelligent Video Analytics
- 12V DC/PoE power supply
- SD Card Supported (Optional)
- Protection: IP67 & IK10

Product Specifications

Model	SC-IM20DP-R2L
Sensor	1/2.7", 3MP Low Illumination Progressive Scan CMOS Sensor
Effective Pixels	2048(H)x1536(V)
Min. illumination	0.001Lux @ (F1.2, AGC ON), 0.002 Lux @ (F1.4, AGC ON), 0 Lux with IR
Electronic Shutter	Auto, Slow Shutter, (1/1s-1/100,000s Adjustable)
Lens Type	M12
Lens	3.6mm Fixed Lens (Optional: 2.8mm, 4mm)
IRIS Control	Fixed
Focus Control	Manual
Angle of View	(2.8mm): 109° (Horizontal) 59° (Vertical) 129° (Diagonal) (3.6mm): 89° (Horizontal) 47° (Vertical) 105° (Diagonal) (4 mm): 80° (Horizontal) 49° (Vertical) 88° (Diagonal)
D&N	ICR switch, Auto, Color, B&W, External trigger
IR Distance	IR Distance 10-30 Mtr
S/N ratio	≥65db (AGC OFF)
Output	PAL/NTSC adjustable
WDR	up to 120dB, (off, low, middle, high)
IR Led Control	Auto, Manual, Off
3D DNR	Off, Low, Middle, High, Higher
Defog	Off, Low, Middle, High
Slow Shutter	Off/ON
Gain Control	High, Higher, Medium, Lower, Low
Anti-Flicker	Outdoor, 50Hz, 60Hz
Smart IR	Auto, Manual (Near Light 0-100, Far Light 0-100)
Exposure Mode	High Light/Low Light
White Balance	Auto, Manual, warm light, natural light, incandescent lamp, fluorescent lamp, locked WB
Sharpness	0-255
AE Algorithms	Shutter priority, Gain priority
Gamma Mode	Curve 1.6, Curve 1.8, Curve 2.0, Curve 2.2
Mirror	Off, Horizontal Mirror, Vertical Mirror, 180-degree flip
Digital Zoom	25X

Image Setting

Brightness, Contrast, Sharpness, Saturation, Chroma

Smart event (Optional)

IVA	Intrusion Detection/ Region Entrance/Human Detection, Video Tampering, Motion Detection
Motion Detection	Set detection area, can set multi-level sensitivity
Schedule Linkage	Capture, email, Audio Broadcast

Human Detection

Detection Quantity	≤ 5 people Human
Human Size	≥40X40
Detection Ratio	≥99%
Capturing Speed	≤1s
Detection Part	People with any posture including half body, Head, Hand, Shoulder
Track People	Support
Detection Mode	Support Static and Dynamic Human detection
Detection method	Support visible light Image Detection, and Near infrared Image Detection
Detection Area	Appointed area, Default Full Screen
Upload Method	Upload it under private protocol
Trigger Method	Video trigger, Audio trigger

Audio & Video Encoding

Video Encode	H.264 (MPEG-4 Part 10/AVC) Baseline+ / Main Profile+ / High Profile+, H.265+ Encoding
Encoding Feature	Main code stream:3MP@1-20fps, Full Frame, 2MP@1-25fps, Full Frame Sub-code stream: D1, VGA@1-25fps, Full Frame
Max resolution	3MP, 2048x1536
Video bit rate	Constant bit rate, variable bit rate (32kbps-8Mbps)
Audio Standard	G.711u, 64Kbps

Network Function

Protocol	TCP/IP, IPv4,IPv6, SNMP, SSL, ICMP, HTTP, HTTPS, HTTP-Base64, HTTP-Digest, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, FTP, RTMP, IGMP, 802.1X, QoS, Multicast
System Compatibility	ONVIF Profile S, G
Security Mode	Authorized username and password, HTTPS with password, AES Encryption for password, RTSP Validation
Privacy Mask	Support 4 area privacy mask
Character Overlay (OSD)	Title, time and date overlay, multi-line OSD, OSD Color Selection
Streaming	Unicast and Multicast
General Function	User Authentication, Watermark, IP address filtering
Web Server	Built In web server with interactive Graphical User Interface
Discovery Interface	UPnP, ONVIF, Sparsh Utility to Detect camera automatically and configure network settings
Max User Access	20

PTZ

Pan/Tilt Range (Manual)	Pan: 0°-360°, Tilt: 0°-78°, Rotation: 0°-360°
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Interface

Network Port	RJ45 10M,100M Network Self-Adjustable
Audio	Built-in-mic or 1 IN/1 Out (Optional)
Alarm	1Ch Alarm IN, 2Ch Alarm Out (optional)
SD Card	Yes (up to 256GB) (optional)

General

Power Supply	PoE(802.3af)/DC 12V±10% (PoE power from MNVR)
Power Consumption	<5.7W
Ingress Protection	IP67 Weatherproof Protection Complaint, IK10 Vandal Proof Complaint

Surge Protection TVS 2000V lightning protection, surge protection and voltage transient protection

Operating Conditions -40 °C ~ 70 °C Humidity 95% or less (non-condensing)

Storage Conditions -40 °C ~ 70 °C Humidity 95% or less (non-condensing)

Dimension & Weight Ø 110 mm × 93.2 mm, With package: 150 mm × 150 mm × 141 mm
 Camera: approx. 500 g, With package: approx. 750 g

Certifications

Product Certification Safety: CE, FCC, EN:60950-1, IS 13252 (Part 1):2010, BIS Registered, IEC 60950-1:2005
 Immunity: CE, FCC

Ordering Information:

Sr. No	Model	Lens	IR Range	Audio	Alarm	SD card
1.	SC-IM20DP-R2L	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	NA	NA	NA
2.	SC-IM20DP-R2L with Built-In Mic	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	Yes	NA	NA
3.	SC-IM20DP-R2L with Audio and Alarm	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	Yes	Yes	NA
4.	SC-IM20DP-R2L with SD Card	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	NA	NA	Yes
5.	SC-IM20DP-R2L with SD card & Built-In Mic	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	Yes	NA	Yes
6.	SC-IM20DP-R2L with SD Card , Audio and Alarm	3.6mm lens (Optional Lens: 2.8 mm /4 mm)	10-30 Mtr.	Yes	Yes	Yes

*Note: Product design specifications and colors are subject to change without notice to improve Reliability, Function or Design or otherwise. Errors and omissions excepted.
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