

KR-CN20D

2MP WDR IR Mini Dome Network Camera



- 2MP, 1/2.8” Sony Exmor image sensor, low illuminance, high image definition
- Outputs 2MP (1920 × 1080) @ 25/30 fps
- H.265+ codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 30 m
- ROI, SMART H.265+/H.264+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max 256 GB Micro SD card
- 12V DC/PoE power support
- IP67, IK10 protection grade



Technical Specification

Camera

Image Sensor	1/2.8” 2Megapixel Sony Exmor
Effective Pixels	1920 (H) ×1080 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.002 Lux @F1.6
IR Distance	30 m (98.4 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	3
Pan/Tilt/Rotation Range	Pan: 0°–355° Tilt: 0°–65° Rotation: 0°–355°

Lens

Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	3.6 mm				
Max. Aperture	F1.6				
Field of View	2.8 mm: Pan:106° Tilt: 56° Diagonal: 126° 3.6 mm: Pan:87° Tilt: 46° Diagonal: 104°				
Iris Type	Fixed aperture				
Close Focus Distance	2.8 mm: 0.6 m (2.0 ft) 3.6 mm: 1.2 m (3.9 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Recognize
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
	3.6 mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)

Smart Event

General IVS Analytics	Tripwire; intrusion
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Video

Video Compression	H.265+/H.265/H.264+/H.264
Smart Codec	Yes
Video Frame Rate	Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25fps) 704 × 480 (1 fps-30fps)
Stream Capability	2 streams

Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–6144 Kbps H.265: 12 Kbps–6144 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Rol)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas

Network

Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
User/Host	20
Edge Storage	FTP; SFTP; Micro SD Card (support max 256 GB); NAS
Browser	IE Chrome Firefox
Management Software	KBiVMS, KBView Lite, KBView Pro
Mobile Phone	IOS; Android

Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 5.4W

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH
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Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67, IK10
Structure	
Casing	Metal
Dimensions	81 mm × Φ109.9 mm (3.2" × Φ4.3")
Net Weight	0.35 kg (0.77lb)
Gross Weight	0.48 kg (1.06lb)