

KX-CDA4291STN

4MP IR Fixed-focal Bullet Network Camera



- 4-MP 1/2.8" SONY CMOS image sensor, low luminance, and high definition image.
- Outputs max. 4 MP (2688×1520)@20 fps, and supports 2560×1440@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 40 m.
- ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, True-WDR 130dB, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human); SMD Plus.
- Supports max. 512 G Micro SD card; built in MIC.
- 12 VDC/PoE power supply. IP67, IK10 protection.
- Support Ryder technology, lightning protection 4500V



Camera					
Image Sensor	1/2.8" SONY CMOS				
Max. Resolution	2688 (H) × 1520 (V)				
ROM	128 MB				
RAM	128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				
Min. Illumination	0.005 Lux@F1.6(Color,30IRE) 0.0005 Lux@F1.6(B/W,30IRE) 0 lux (Illuminator on)				
S/N Ratio	>56 dB				
Illumination Distance	40 m (IR LED)				
Illuminator On/Off Control	Auto; manual				
Illuminator Number	1 (IR LED)				
Pan/Tilt/Rotation Range	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°				
Lens					
Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	2.8 mm; 3.6 mm				
Max. Aperture	F1.6				
Field of View	2.8mm: H: 95°; V: 52°; D: 114°; 3.6mm: H: 78°; V: 41°; D: 94°				
Iris Control	Fixed				
Close Focus Distance	2.8 mm: 0.9 m; 3.6 mm: 1.6 m				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	63.6 m	25.4 m	12.7 m	6.4 m
	3.6 mm	85.4 m	34.2 m	17.1 m	8.5 m
Intelligence					
IVS (Perimeter Protection)	Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human)				
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				
Video					
Video Compression	H.264H; H.265; H.264; H.264B; MJPEG (Only supported by the sub stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	Main stream: 2688 × 1520@ (1–20 fps)/2560 × 1440@ (1–25/30 fps); Sub stream: 704 × 576@ (1–25 fps)/704 × 480@ (1–30 fps) The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.				
Stream Capability	2 streams				
Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 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				

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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	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto; manual
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 2688 × 1520 resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; PCM; G.726
Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnecton; IP conflict; illegal access; moton detecton; video tampering; tripwire; intrusion; SMD; voltage detector; security excepton
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
User/Host	6 (Total bandwidth: 36 M)
Storage	FTP; SFTP; Micro SD card (support max. 256 GB)
Browser	IE; Chrome; Firefox
Mobile Client	iOS; Android
Cyber Security	Configuration encryption;Trusted execution;Digest;Security logs;WSSE;Account lockout;syslog;Video encryption;802.1x;IP/MAC filtering;HTTPS;Trusted upgrade;Trusted boot;Generation and importing of X.509 certification
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 2.5 W (12 VDC); 3.3 W (PoE); Max. (ICR + H.265 + max. resolution + main stream + IR intensity + WDR + IVS): 4.2 W (12 VDC); 5.1 W (PoE)
Environment	
Operating Temperature	-40 °C to +60 °C
Operating Humidity	≤95%
Storage Temperature	-40 °C to +60 °C
Protection	IP67
Structure	
Casing Material	Metal
Net Weight	0.48 kg
Gross Weight	0.59 kg
Product Dimensions	166.2 mm × 70 mm × 70 mm (6.54" × 2.76" × 2.76") (L × W × H)

