

KR-DNA20LD

2MP WDR IR Dome AI Network Camera



- 1/2.8” 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 triple-stream encoding
- 25/30fps@1080P(1920×1080)
- WDR(120dB), Day/Night(ICR), 3D DNR, AWB, AGC, BLC
- 2.8mm fixed lens (3.6mm/6mm optional)
- Max. IR LEDs Length 40m
- Micro SD memory, IP67, IK10



Technical Specification

Camera					
Image Sensor	1/2.8” 2Megapixel progressive scan STARVIS™ CMOS				
E°ective Pixels	1920(H) x 1080(V)				
RAM/ROM	512MB/128MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3~ 1/100000s				
Minimum Illumination	0.002Lux/F1.6 (Color,1/3s,30IRE) 0.012Lux/F1.6 (Color,1/30s,30IRE) 0Lux/F1.6(IR on)				
IR Distance	Distance up to 40m (131ft)				
IR On/O° Control	Auto/ Manual				
IR LEDs	1				

Lens					
Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8mm				
Max. Aperture	F1.6				
Angle of View	H: 106°, V:57°/H: 87°, V:46°/H: 53°, V:30°				
Optical Zoom	N/A				
Aperture Type	Fixed				
Close Focus Distance	0.6m(1.97ft)/1.2m(3.94ft)/2.5m(8.20ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	39m(128ft)	15m(49ft)	8m(26ft)	4m(13ft)
	3.6mm	55m(180ft)	22m(72ft)	11m(36ft)	6m(20ft)
	6.0mm	83m(272ft)	33m(108ft)	17m(56ft)	8m(26ft)

Pan / Tilt / Rotation	
Pan/Tilt/Rotation Range	Pan:0°~355°; Tilt:0°~75°; Rotation:0°~355°

Artificial Intelligence	
Face Capture	Support face image capture
Face Attributes	Support 6 kinds of face attributes extraction: Age, Gender, Expression(Jolly/Surprise/Normal/Rage/Sad/Disgusted/Confused/Frightened), Glasses, Mouth Mask, Moustache & Beard
Perimeter Protection	Tripwire, Intrusion(Human & Vehicle classification)
People Counting	Line crossing people counting, Region people counting

General Intelligence	
Event Trigger	Motion detection, Video tampering , Scene changing, Network disconnection , IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing
Video	
Compression	H.265+/H.265/H.264+/H.264/H.264B/H.264H/ MJPEG(sub stream)
Streaming Capability	3 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)
Frame Rate	Main Stream: 1080P(1~25/30fps)
	Sub Stream: D1(1~25/30fps)
	Third Stream: 1080P(1~6fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32~ 8192Kbps H.265: 19~ 7424Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	0° / On (4 Zone, Rectangle)
Region of Interest	0° / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Defog	Support
Digital Zoom	N/A
Flip	0°/90°/180°/270°
Mirror	0° / On
Privacy Masking	0° / On (4 Area, Rectangle)

Audio	
Compression	N/A

Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP;SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP;QoS; UPnP;NTP
Interoperability	ONVIF(Proyle S/Proyle G), CGI,Milestone,Genetec,P2P
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	NAS FTP Mirco SD card 256GB
Web Viewer	IE(versions newer than IE8), Chrome, Firefox, Safari(versions newer than Safari 12)
Management Software	KBiVMS, KBView Pro
Smart Phone	iOS, Android

Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

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Electrical

Power Supply	DC12V(± 30%), PoE(802.3af)(Class 0)
Power Consumption	DC12V:1.9W 4.5W(IR on) PoE:2.4W 5W(IR on)

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / 10%RH~95% RH
Storage Conditions	+5° C ~ +40° C (+41° F ~ +104° F) (daily temperature difference within 15° C/59° F) / 10%RH~95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	122mm×88.9mm (4.80"×3.50")
Net Weight	0.43Kg (0.95lb)
Gross Weight	0.59Kg (1.30lb)

Dimensions (mm/inch)

