



# KX-4BM1-DL-PMA

4MP Smart Dual Light Fixed-focal Bullet Network Camera



- 4-MP 1/2.7" SONY NIRs image sensor, low luminance, and high definition image.
- Outputs max. 2560 × 1440 @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in multi-core light, the max. illumination distance is 60 m, and the max. warm light distance is 30 m
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, illegal access.
- Built in Mic.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection.
- Supports human detection.
- Ryder heat dissipation, lightning protection 4500V
- Secudeep security technology.



<b>Camera</b>					
Image Sensor	1/2.7" SONY NIRs				
Max. Resolution	2560 (H) × 1440 (V)				
ROM	16 MB				
RAM	64 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s				
Min. Illumination	0.01 lux@F1.6 (Color, 30 IRE) 0.001 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)				
S/N Ratio	>56 dB				
Illumination Distance	Up to 60 m (IR) Up to 30 m (Warm light)				
Illuminator On/Off Control	Auto;Manual				
Illuminator Number	4 (IR LED)				
Angle Adjustment	Pan: 0°-360° Tilt: 0°-90° Rotation: 0°-360°				
<b>Lens</b>					
Lens Type	Fixed-focal				
Lens Mount	M12				
Focal Length	3.6 mm				
Max. Aperture	F1.6				
Field of View	Horizontal: 80° Vertical: 48° Diagonal: 105°				
Iris Control	Fixed				
Close Focus Distance	3.6 mm: 0.9 m (2.95 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6 mm	85.5 m (171.92 ft)	34.5 m (68.90 ft)	17.5 m (34.45 ft)	8.5 m (17.06 ft)
<b>Intelligence</b>					
Human Detection	Support the classification and accurate detection of human				
Smart Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos				
<b>Video</b>					
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (Only supported by the sub stream)				
Smart Codec	Smart H.265+; Smart H.264+				
Video Frame Rate	Main stream: 2560 × 1440 @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.				



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Stream Capability	2 streams
Resolution	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
Video Bit Rate	H.264: 32 kbps–4096 kbps H.265: 12 kbps–4096 kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	130 dB
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)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
Mirror	Yes
Privacy Masking	4 areas
<b>Audio</b>	
Built-in MIC	Yes, built-in Mic
Audio Compression	G.711a; G.711Mu; PCM; G.726
<b>Alarm</b>	
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception; SMD (human)
<b>Network</b>	
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; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP; P2P
Interoperability	ONVIF (Profile S & Profile T); CGI; Auto Register
User/Host	6 (Total bandwidth: 24 M)
Storage	FTP
Browser	IE; Chrome; Firefox
Management Software	Kabe View, Kabevision-V100
Mobile Client	iOS; Android
Cyber Security	Configuration encryption; Trusted execution; Digest; Security logs; HTTPS; Trusted upgrade; WSSE; Trusted boot; Account lockout; Generation and importing of X.509 certification; Video encryption
<b>Power</b>	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 1.35 W (12 VDC); 1.7 W (PoE); Max. (H.265 + intelligence on + WDR+ IR intensity): 9.3 W (12 VDC), 11.6 W (PoE)
<b>Environment</b>	
Operating Temperature	-40 °C to +60 °C
Operating Humidity	≤95%(RH), non-condensing
Storage Temperature	-40 °C to +60 °C
Storage Humidity	≤95%(RH), non-condensing
Protection	IP67
<b>Structure</b>	
Casing Material	Metal + Plastic
Product Dimensions	194.4 mm × 96.6 mm × 89.5 mm (7.65" × 3.80" × 3.52") (L × W × H)
Net Weight	0.63 kg (1.39 lb)
Gross Weight	1.12 kg (2.46 lb)



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