

KBA12Q Series Coal Mining Explosion Proof Dome CCTV Camera



Main Features:

- Coal mining intrisec safety Mini PTZ dome camera
- 304/316L Stainless steel construction
- Explosion proof marking: Ex ib I Mb,
- Ingress protection: IP68 rated
- Speed dome for rotation surveillance
- High quality image with 4MP, 1/2.8"CMOS sensor
- Lens: 2.8mm-12mm, 4X optical zoom, 16x digital zoom
- Voltage Input:12VDC
- Aux lights for night vision 20m.
- With audio function, which can support pick up sound and audio output.
- Fit for coal mining, where there is an explosive mixture of methane and coal dust

underground, but no corrosive gas that breaks the insulation.

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Specification:

Model	KBA12Q
Camera type	4MP Mini PTZ dome
Atmospheric pressure	80KPa~106Kpa
Ambient Temperature	0°C~+40°C
Relative Humidity	≤95% (+25°C)
Ex-proof mark	Ex ib I Mb
Explosion proof Certified	CCCMT21.0425
Ingress Protection	IP68
Housing Material	Stainless Steel 304 or 316L
Sensor	1/2.8", progressive scan, CMOS
Max resolution	2560x1440
Min illumination	Color:0.005Lux @(F1.5, AFCON), B&W:0.001 Lux @(F1.5, AGCON); 0 Lux with IR
Shutter	1/1 s~1/30,000 s
Day&Night	ICR
Lens	2.8mm-12mm, 4X optical zoom, 16x digital
View Angel	97~32° (Wide to tele)
Focus	Auto/manual/semi auto
Aperture	Max F1.5
Zoom Speed	Approx 2s

Supplement light	IR	
Supplement light range	20m	
Wave length	850nm	
Preset	300	
Adjustment angle	Pan: 0~355°, Pan Speed:0.1 to 100° /s, Pan preset speed:100° /s	Tilt: 0° ~ 90° , Tilt Speed:0.1 to 100° /s Tilt preset speed:100° /s
Preset Freezing	Yes	
Keep watch	Preset	
3D positioning	Support	
Azimuth information display	Support	
Timed task	Preset/restart/camera verify	
Power-off memory	Yes	
Main stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720), 50fps (1280 × 960, 1280 × 720), 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720), 60fps (1280 × 960, 1280 × 720)	
Sub stream	50Hz: 25fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30fps (704 × 480, 640 × 480, 352 × 240)	
Video compression	H.265/H.264/MJPEG	
H.264 type	Baseline Profile/Main Profile/High Profile	
SVC	Support	
Region of interest	Support	
Audio	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM/AAC	

Audio compression rate	AAC: 16 kbps, 32 kbps, 64 kbps, MP2L2: 32 kbps, 40 kbps, 48 kbps, 56 kbps, 64 kbps, 80 kbps, 96 kbps, 112 kbps, 128 kbps, 144 kbps, 160 kbps, 192 kbps
Audio Sampling rate	AAC: 16 kHz, 32 kHz, 48 kHz MP2L2: 16 kHz, 32 kHz, 48 kHz PCM: 8 kHz, 16 kHz, 32 kHz, 64 kHz
Environment noise filtering	support
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, PPPoE, Bonjour
Simultaneous live view	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User/Host	Up to 32 users; 3 levels: Administrator, Operator and User
Security	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering
Network Storage	NAS (NFS, SMB/CIFS), ANR
Web Browser	IE10-11, Chrome57+, Firefox52+, Safari11+
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Wide Dynamic Range (WDR)	120dB WDR
S&N	> 52dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	24 programmable privacy masks

Regional Focus	Yes
Regional Exposure	Yes
Ethernet Interface	1 RJ45 10 M/100 M Ethernet Interface; PoE (802.3at, class4)
On-Board Storage	Built-in memory card slot, support MicroSD/SDHC/SDXC, up to 256 GB
Audio	1 input, 1 output
Alarm	1 input, 1 output
Smart Event	Intrusion Detection, Line Crossing Detection, Region Exiting Detection, Region Entrance Detection
Alarm Linkage	Alarm actions, such as Notify Surveillance Center, Upload to FTP/Memory Card/NAS, Send Email, etc.
General	
Power	DC 12V
	Power consumption: Max 11.2W
Cable output	Integrated cable, 2m long
Overall dimension LxWxH	312mm×233mm×263mm
Weight	7.8kg

Drawings

