

KA-2B212MIR

Infrared bullet camera



- . 2 Megapixels resolution
- . 2mm-12mm varifocal lens
- . IR illuminator 200' [60m]
- . H.264 / H.265 encoding
- . Triple stream
- . Perimeter intrusion analytics
- . Line cross analytics
- . Object left behind analytics
- . PoE and 12VDC power
- . IP67 weather resistant
- . Onvif compatible
- . Local micro SD card storage

Technical Specification

Camera

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|-----------------------------|---|
| Resolution | 1920×1080 (2MP) |
| Effective pixels | 2,073,600 |
| Image sensor | progressive scan |
| Imager type and size | 1/2.9" CMOS |
| Signal system | NTSC/PAL |
| Aspect ratio | 16:9 |
| Minimum illumination | 0.01Lux @ (F1.2, AGC ON), 0 Lux with IR |
| Day night type | IR cut filter with auto switch, night vision with IR |
| Electronic shutter range | auto/manual (1/5 - 1/20,000s) |
| Signal-to-Noise Ratio (SNR) | ≥ 52dB |
| Camera angle adjustment | pan ±180°, tilt 0° to +90°, rotation ±180° (depending on mounting configuration) |
| Memory | 2GB RAM. 16MB Flash |

Encoding

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|----------------------|---|
| Video compression | H.264 / H.265 / H.264+ / H.265+ |
| Frame rate | main-stream: 2MP 1080P(1920×1080), 960P(1280×960), 720P(1280×720) @ 1-30fps sub-stream: 2MP 1080P(1920×1080), 960P (1280×960), 720P(1280×720) @ 1-30fps mobile-stream: 720P(1280×720), VGA(640×480), QVGA(320×240) @ 1-30fps |
| Bit rate control | constant bit rate (CBR), constrained variable bit rate (CVBR) with configurable maximum value |
| Video streaming | triple streaming: unicast, multicast, mobilecast |
| Multi-view streaming | 2 individually cropped out view areas |
| Data streaming | event data |

Network

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|-------------------------|---|
| Protocols | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, PPPoE, SMTP, NTP, UPnP, FTP |
| Security | IP Network Filter, Allow or Disallow from IP addresses |
| Communication interface | RJ45 10M/100M Ethernet interface |
| System compatibility | Onvif v2.6, iOS, Android, 3d Party SDK |
| Users | 10 concurrent connections |

Lens

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|--------------------------|------------------|
| Lens type | varifocal |
| Iris | auto |
| Focal length | 2.8-12mm |
| F-number | F 1.6 to 2.9 ±5% |
| Horizontal field of view | 83.1°- 23.4° |
| Vertical field of view | 53°- 13.3° |
| Minimum object distance | 7.87" [20cm] |
| Pan/Tilt/Zoom (PTZ) | digital PTZ |

Illuminator

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|-----------------|----------------|
| Type | IR LED |
| Spectrum | infrared 810nm |
| Effective range | 200' [60m] |
| IR LED count | 40 SMD LEDs |

Audio

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|--------------------|--|
| Audio Input/Output | 1 input, 1 output |
| Streaming | dual-channel |
| Input | line in/RCA-F |
| Encoding | G711A, G711U, ADPCM, G726 (16k, 24k, 32k, 40k) |

Alarm

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|----------|---|
| Input | 1 input screw terminals |
| Output | 1 PhotoMOS™ relay (30 V, 1 A) screw terminals |
| Triggers | unsupervised mode that detects switch closures (N.O. and N.C.) |

Additional Features

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|--------------------------------------|--|
| Image settings | lens flip, angle flip, corridor mode, rotation 0° or 180°, defog mode, region-of-interest (8 user defined rectangle areas), privacy mask (up to 4 rectangle user defined zones) |
| Wide Dynamic Range (WDR) | 140dB |
| Gain control | AGC off / low / medium high |
| White balance (range) | auto/manual_(R-G-B)/indoor (2,500° to 8,000°K) |
| Digital Noise Reduction (DNR) | yes (ON/OFF selectable) |
| Built-in analytics | perimeter (4 rules or lines with points A>B B<A and A<->B) line cross (4 rules or lines with points A>B B<A and A<->B) stationary object (4 rules with left/removed or both) |
| Noise reduction | 3D DNR (auto, manual 1-256) |
| Event triggers | analytic events, motion detection (30×44 grid), lens cover |
| Event actions | email, log event |
| Text overlay | name and title on/off |
| Overlay transparency | user setting 1-128 |
| Mirror | yes |
| Privacy zones | yes (up to 4 zones) |
| Application programming interface | open API for software integration |
| On-board storage | microSD maximum 128G |

Environmental

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|-----------------------|--------------------------------|
| Ingress protection | IP67 |
| Vandal resistance | IK10 |
| Operating temperature | -31°F to 131°F [-35°C to 60°C] |
| Storage temperature | -31°F to 131°F [-35°C to 60°C] |

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| | |
|-----------------------|--|
| Operating humidity | 100%RH condensing |
| Storage humidity | 100%RH condensing |
| Electrical | |
| Input voltage | 12VDC \pm 10%, PoE (802.3af) |
| Current draw at 12VDC | 0.125A IR off 0.5A IR on |
| Power (PoE) | 1.5W IR off 6.2W IR on |
| Surge protection | built-in TVS4000V, lightning-proof, surge-proof and wave-proof |

Physical Characteristics

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|------------|--|
| Dimensions | 9"(L) x 3.2"(W) x 3.3"(H) 23.1cm(L) x 8.1cm(W) x 8.4cm(H) |
| Weight | 1.8lbs [0.82kg] |
| Connectors | Ethernet/PoE interface: RJ45 video output: BNC out DC power 2.1mm x 5.5mm connector audio IN/OUT connector alarm reset button |

General

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|---------------------|--|
| Safety/EMC standard | UL (UL60065), FCC (Part15 ClassA), C-UL (CAN/CSA C22.2 No.60065), DOC (ICES003 ClassA) |
| Languages | English, French, German, Italian, Portuguese, Russian, Spanish, Turkish |

Dimensions

