

KA-5B212MIR

Infrared bullet camera



- . 5 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
- . Face detection analytics
- . Cross counting analytics
- . PoE and 12VDC power
- . IP67 weather resistant
- . Onvif compatible
- . Local micro SD card storage

Technical Specification

Camera

Resolution	2592x1944 (5MP)
Effective pixels	5,038,848
Image sensor	progressive scan
Imager type and size	1/2.7" CMOS
Signal system	NTSC/PAL
Aspect ratio	5:4
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

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

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

Lens type	varifocal motorized
Iris	auto
Focal length	2.8-12mm auto focus
F-number	F 1.6 to 2.9 ±5%
Horizontal field of view	87.6°- 25.2°
Vertical field of view	71.4°- 19.1°
Minimum object distance	7.87" [20cm]
Remote focus and zoom	yes
Pan/Tilt/Zoom (PTZ)	digital PTZ

Illuminator

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

Audio

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

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

Additional Features

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 installation aids	remote zoom, remote focus
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) pedestrian detection face detection cross counting (lane A-B can set as pedestrian or object crossing)
Noise reduction	3D DNR (auto, manual 1-256)
Event triggers	analytic events, motion detection (30x44 grid), lens cover
Event actions	email, log event
Report types	daily, weekly, monthly, annual
Reporting outputs	list, histogram, line chart
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

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Environmental

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]
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

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

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

