GIGAMEDIA
SMART BUILDING SOLUTIONS

IP BULLET CAMERA
GGM IPAB4F2IR



ADVANCED RANGE

This high-performance camera from the «Advanced» series is ideal for projects that require complex situation analysis such as tertiary projects, schools, supermarkets, parking lots, etc.

The IPAB4F2IR camera is a bullet camera with a resolution of 4 MP. Its infrared can illuminate up to 30m.

Its 2.8mm lens provides a wide angle for a global view.

This camera has many smart analysis functions such as:

- Line crossing detection and zone intrusion with classification of people and vehicles.
- Triggering alarms on loitering, illegal parking or the detection of abandoned/lost objects.
- Counting statistics and heatmap functions provide relevant traffic information on your sales spaces.

This high-performance camera generates a large amount of metadata about people and vehicles, allowing criterion-based searches for fast and efficient results. (up to 13 human characteristics and 4 vehicles)

Equipped with a built-in microphone, you can allow remote audio verification or be alerted in case of abnormal sound. It also integrates an audio input and output to connect an external sound system.

This camera has a micro SD card slot that can support a maximum capacity of 256 GB.

An alarm input and output is available to connect an external system in order to retrieve the status of a device (sensor, detector, probe) and trigger a third-party system (light, alarm, etc.)

Thanks to its IP67 rating, you can install it outdoors.

You can power the camera with 12V or PoE.

This camera is ONVIF and NDAA compliant.

FEATURES

Software :	5.2.3
Model Type :	Bullet
Chipset :	Novatek
Image sensor :	1/3" CMOS
Image size :	2688 × 1520
Electronic shutter :	1 / 3 s ~ 1 / 100000 s
Iris Type :	Fixed Iris
Minimum illumination :	0.005 lux@F1.6,AGC ON;0 lux with IR
Lens :	2.8 mm@F1.6
Focus :	Fixed
Lens Mount :	M12
Field of view H/V/D :	Horizontal FoV: 95.3°; vertical FoV: 53.2°; diagonal FoV:100.7°
Day & Night :	ICR
WDR (wide dynamic range) :	120dB
BLC :	Yes
HLC :	Yes
Defog :	Yes
S/N ratio :	≥50dB
Digital NR :	3D DNR
EIS :	No
Angle adjustement :	Pan: 0°~360° ; Tilt: 0°~80° ; Rotation: 0°~360°

PICTURE

Video compression :	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H265 Compression standard :	Baseline Profile/Main Profile/High Profile
Privacy mask :	4 mask
Main stream :	4MP/2592×1520/2K/3MP/1080P (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Sub Stream :	720P/D1/VGA/640×360/480×240/CIF (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Third stream :	720P/D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)
Bitrate :	64 Kbps ~ 8 Mbps
Bit rate Type :	VBR / CBR
Audio Compression :	G711A / U
Image settings :	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
Corridor mode :	Yes
ROI :	Each ROI to be configured separately

INTERFACES

Network :	RJ 45 10M/100M self-adaptive Ethernet port
Surge Protection :	Differential Mode±2KV, Common Mode±4KV
Video Output :	No
Number of audio in :	1
Number of audio out :	1
Buit-in speaker :	/
Built-in microphone :	1CH built-in MIC
Storage :	Network remote storage; micro SD card storage up to 256 Gb
Reset :	Yes
Alarm in :	No
Alarm out :	No

ANALYTICS

Smart Event :	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection
Statistics :	Target counting by line/area, heat map
Exception detection :	Scene change, video blur and abnormal color detection, audio exception
Face detection :	Face detection and face capture
Video Metadata :	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature

DORI (BASED ON 2.8mm/2.8-12mm)

Detect :	W: 60m (199ft) ; T: 75m (246ft)
Observe :	W: 24m (79ft) ; T: 30m (98ft)
Recognize :	W: 12m (39ft) ; T: 15m (49ft)
Identify :	W: 6m (19ft) ; T: 7m (24ft)

FUNCTIONS

Remote monitoring :	Web browser /NVR/GGM CENTRAL/GGM WATCH
Web browser :	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online connection :	Support simultaneous monitoring for up to 8 users; Support multi-stream real time transmission
Network protocol :	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Onvif version/Profile :	ONVIF 24.12/M, T, S, G
Smart Alarm :	Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm
General function :	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade
Security :	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock,IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
POE :	Yes , IEEE802.3 af
IR distance :	20-30 m
Warm led distance :	/
IP protection rate :	IP67
IK protection rate :	/

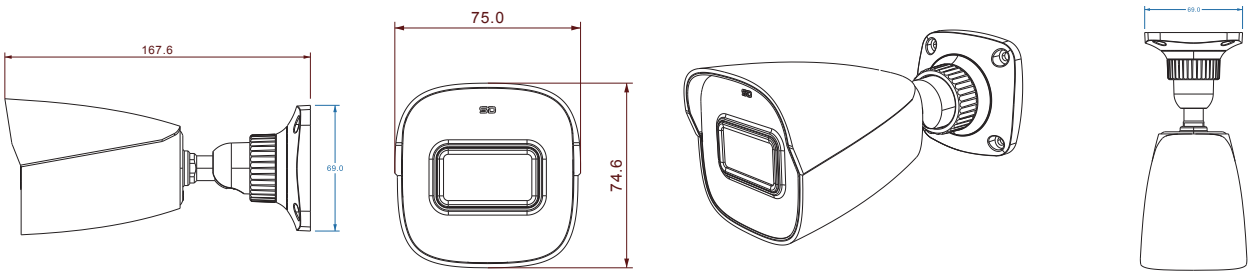
OTHERS

Power supply :	DC12V/PoE
Power consumption :	< 6W
Storage conditions :	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Operating conditions :	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimension :	167.5 74 x x .5 74.5
Weight :	Approx. 0.43KG
Installation :	Ceiling mounting; Wall mounting
Certificate :	CE, FCC
Environmental protection :	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

PART-NUMBER

PART-NUMBER	DESCRIPTION
GGM IPAB4F2IR	Advanced series Bullet Resolution 4MP Lens 2.8mm IR 30m IA functions IP67

DIMENSIONS OF GGM IPAB4F2IR



ACCESSORIES FOR GGM IPAB4F2IR



GGM AJB009



GGM AJB009+GGM ATMB002



GGM AJB009+GGM AWMB016