



## ESSENTIAL BULLET IP CAMERA

### GGM IPIB4F2DL



#### Essential Range

This camera is suitable for installation in private homes, in small retailers or any other project where you want to secure yourself at a lower cost.

#### FEATURES

<b>Software :</b>	5.1.2
<b>Model Type :</b>	Bullet
<b>Chipset :</b>	Novatek
<b>Image sensor :</b>	1/3" CMOS
<b>Image size :</b>	2560×1440
<b>Electronic shutter :</b>	1 / 3s ~ 1 / 100000s
<b>Iris Type :</b>	Fixed Iris
<b>Minimum illumination :</b>	0.09 lux @F2.2, AGC ON; 0 lux (Illuminator on)
<b>Lens :</b>	2.8 mm@F2.2
<b>Focus :</b>	Fixed Iris
<b>Lens Mount :</b>	M12
<b>Field of view H/V/D :</b>	Horizontal FoV: 96°; Vertical FoV: 55°; Diagonal FoV: 112°
<b>Day &amp; Night :</b>	ICR
<b>WDR (wide dynamic range) :</b>	Digital WDR
<b>BLC :</b>	Yes
<b>HLC :</b>	Yes
<b>Defog :</b>	No
<b>S/N ratio :</b>	≥50dB
<b>Digital NR :</b>	3D DNR
<b>EIS :</b>	No
<b>Angle adjustment :</b>	Pan: 0°~360° ; Tilt:0°~80° ; Rotation: 0°~360°

## PICTURE

<b>Video compression :</b>	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264 / MJPEG
<b>H265 Compression standard :</b>	H.265 Compression Standard: Main Profile@Level4.1 High Tier
<b>Privacy mask :</b>	4 mask
<b>Main stream :</b>	4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Sub Stream :</b>	D1/VGA/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
<b>Third stream :</b>	/
<b>Bitrate :</b>	64 Kbps ~ 3 Mbps
<b>Bit rate Type :</b>	VBR / CBR
<b>Audio Compression :</b>	G711A/U
<b>Image settings :</b>	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
<b>Corridor mode :</b>	No
<b>ROI :</b>	Each ROI to be configured separately

## INTERFACES

<b>Network :</b>	RJ45
<b>Surge Protection :</b>	Differential Mode±2KV, Common Mode±4KV
<b>Video Output :</b>	No
<b>Number of audio in :</b>	0
<b>Number of audio out :</b>	0
<b>Built-in speaker :</b>	/
<b>Built-in microphone :</b>	1CH built-in MIC
<b>Storage :</b>	Network remote storage
<b>Reset :</b>	No
<b>Alarm in :</b>	/
<b>Alarm out :</b>	/

## ANALYTICS

<b>Smart Event :</b>	(Human) region intrusion detection, (human)line crossing detection
<b>Statistics :</b>	/
<b>Exception detection :</b>	Support smart motion detection; filtering motion alarm triggered by other target types except humans
<b>Face detection :</b>	/
<b>Video Metadata :</b>	/

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

<b>Detect :</b>	57m(187ft)
<b>Observe :</b>	23m(75ft)
<b>Recognize :</b>	11m(36ft)
<b>Identify :</b>	6m(20ft)

## FUNCTIONS

<b>Remote monitoring :</b>	Web browser /TVT NVR/GGM CENTRAL/GGM WATCH
<b>Web browser :</b>	IE 11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
<b>Online connection :</b>	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
<b>Network protocol :</b>	UDP, IPv4, IPv6, DHCP, NTP, RTSP, 802.1x, HTTP
<b>Onvif version/Profile :</b>	ONVIF 23.06/S
<b>Smart Alarm :</b>	/
<b>General function :</b>	Watermark, video mask, heartbeat
<b>Security :</b>	Video encryption, firmware encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
<b>POE :</b>	Yes, IEEE802.3 af
<b>IR distance :</b>	20 ~ 30 m
<b>Warm led distance :</b>	10 ~ 20 m
<b>IP protection rate :</b>	IP67
<b>IK protection rate :</b>	/

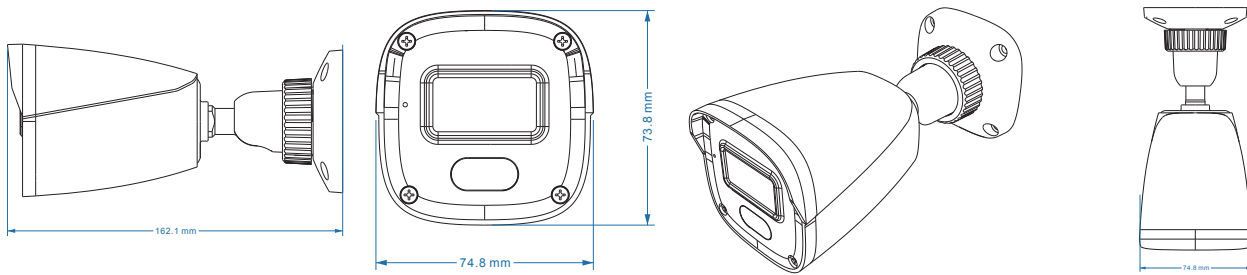
## OTHERS

<b>Power supply :</b>	DC12V/PoE
<b>Power consumption :</b>	< 5W
<b>Storage conditions :</b>	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
<b>Operating conditions :</b>	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
<b>Dimension :</b>	162.1 x 74.8 x 73.8
<b>Weight :</b>	Approx. 0.25KG
<b>Installation :</b>	Ceiling mounting; wall mounting
<b>Certificate :</b>	CE, FCC
<b>Environmental protection :</b>	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

## PART-NUMBER

PART-NUMBER	DESCRIPTION
<b>GGM IP1B4F2DL</b>	Essential Bullet series. Resolution 4MP lens 2.8 mm IR and WL: 30m IA lite PoE IP67

DIMENSIONS FOR GGM IP1B4F2DL



ACCESSORIES FOR GGM IP1B4F2DL



GGM AJB009



GGM AJB014



GGM AJB009+GGM ATMB002



GGM AJB009+GGM APMB001



GGM AJB009+GGM ACMB001



GGM AJB009+GGM AWMB016