



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

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

PICTURE

Video compression :	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264 / MJPEG
H265 Compression standard :	H.265 Compression Standard: Main Profile@Level4.1 High Tier
Privacy mask :	4 mask
Main stream :	4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)
Sub Stream :	D1/VGA/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Third stream :	/
Bitrate :	64 Kbps ~ 3 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 :	No
ROI :	Each ROI to be configured separately

INTERFACES

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

ANALYTICS

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

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

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

FUNCTIONS

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

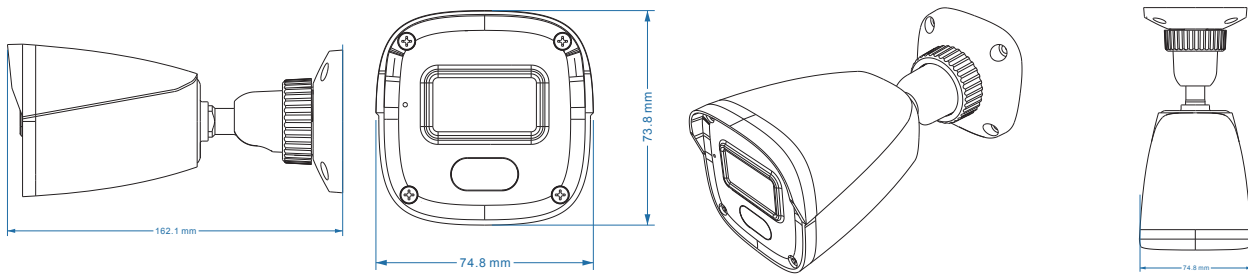
OTHERS

Power supply :	DC12V/PoE
Power consumption :	< 5W
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 :	162.1 x 74.8 x 73.8
Weight :	Approx. 0.25KG
Installation :	Ceiling mounting; wall mounting
Certificate :	CE, FCC
Environmental protection :	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

PART-NUMBER

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

DIMENSIONS FOR GGM IPB4F2DL



ACCESSORIES FOR GGM IPB4F2DL



GGM AJB009

GGM AJB014

GGM AJB009+GGM ATMB002

GGM AJB009+GGM APMB001

GGM AJB009+GGM ACMB001



GGM AJB009+GGM AWMB016