



## STANDARD BULLET IP CAMERA

### GGM IPSB8F2DL



#### Standard Range

This high-performance camera from the «Standard» series is ideal for site security projects, in the tertiary sector, retail, administrative buildings, etc.

#### FEATURES

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| Software :                 | 5.2.3                                                     |
| Model Type :               | Bullet                                                    |
| Chipset :                  | Novatek                                                   |
| Image sensor :             | 1/2.8" CMOS                                               |
| Image size :               | 3840×2160                                                 |
| Electronic shutter :       | 1 / 3s ~ 1 / 100000s                                      |
| Iris Type :                | Fixed Iris                                                |
| Minimum illumination :     | 0.02 lux @F1.6, AGC ON; 0 lux with illumination on        |
| Lens :                     | 2.8 mm@F1.6                                               |
| Focus :                    | Fixed Iris                                                |
| Lens Mount :               | M12                                                       |
| Field of view H/V/D :      | Horizontal FoV: 106°; Vertical FoV:57°; Diagonal FoV:124° |
| Day & Night :              | Auto                                                      |
| WDR (wide dynamic range) : | 120dB                                                     |
| BLC :                      | Yes                                                       |
| HLC :                      | Yes                                                       |
| Defog :                    | Yes                                                       |
| S/N ratio :                | ≥50dB                                                     |
| Digital NR :               | 3D DNR                                                    |
| EIS :                      | No                                                        |
| Angle adjustment :         | Pan: 0°~360° ; Tilt:0°~80° ; Rotation: 0°~360°            |

## PICTURE

|                                    |                                                                                                                                                           |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Video compression :</b>         | Main stream: H.265+ / H.265 / H.264+ / H.264<br>Sub /Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                |
| <b>H265 Compression standard :</b> | H.265 Compression<br>Standard: Main Profile@Level4.1 High Tier                                                                                            |
| <b>Privacy mask :</b>              | 4 mask                                                                                                                                                    |
| <b>Main stream :</b>               | 60Hz: 8MP(1~20fps) /6MP/4MP/2K/1080P (1~30fps)<br>50Hz: 8MP(1~20fps) /6MP/4MP/2K/1080P (1~25fps)                                                          |
| <b>Sub Stream :</b>                | 720P/D1/VGA/640×360/CIF/480× 240 (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                           |
| <b>Third stream :</b>              | 720P/D1/640×360/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                        |
| <b>Bitrate :</b>                   | 64 Kbps ~12Mbps                                                                                                                                           |
| <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>             | Yes                                                                                                                                                       |
| <b>ROI :</b>                       | Each ROI to be configured separately                                                                                                                      |

## INTERFACES

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| <b>Network :</b>             | RJ 45                                                      |
| <b>Surge Protection :</b>    | Differential Mode±2KV, Common Mode±4KV                     |
| <b>Video Output :</b>        | No                                                         |
| <b>Number of audio in :</b>  | 1                                                          |
| <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; micro SD card storage up to 256 Gb |
| <b>Reset :</b>               | Yes                                                        |
| <b>Alarm in :</b>            | /                                                          |
| <b>Alarm out :</b>           | /                                                          |

## ANALYTICS

|                              |                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Smart Event :</b>         | Line crossing/region intrusion (human/vehicle classification), abandoned/missing object detection |
| <b>Statistics :</b>          | /                                                                                                 |
| <b>Exception detection :</b> | video exception                                                                                   |
| <b>Face detection :</b>      | /                                                                                                 |
| <b>Video Metadata :</b>      | /                                                                                                 |

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

|                    |            |
|--------------------|------------|
| <b>Detect :</b>    | 79m(259ft) |
| <b>Observe :</b>   | 32m(105ft) |
| <b>Recognize :</b> | 16m(52ft)  |
| <b>Identify :</b>  | 8m(27ft)   |

## FUNCTIONS

|                                |                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Remote monitoring :</b>     | Web browser /TVT NVR/GGM CENTRAL/GGM WATCH                                                                                                                                                        |
| <b>Web browser :</b>           | Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+                                                                                                                                                |
| <b>Online connection :</b>     | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                                                                                                |
| <b>Network protocol :</b>      | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTPS, HTTP POST, P2P, QoS                                                                         |
| <b>Onvif version/Profile :</b> | ONVIF 24.06/M, T, S, G                                                                                                                                                                            |
| <b>Smart Alarm :</b>           | Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception                                                                                   |
| <b>General function :</b>      | Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, corridor pattern                                                                                                      |
| <b>Security :</b>              | Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP |
| <b>POE :</b>                   | Yes (IEEE802.3af)                                                                                                                                                                                 |
| <b>IR distance :</b>           | 20 ~ 30 m                                                                                                                                                                                         |
| <b>Warm led distance :</b>     | 20 ~ 30 m                                                                                                                                                                                         |
| <b>IP protection rate :</b>    | IP67                                                                                                                                                                                              |
| <b>IK protection rate :</b>    | /                                                                                                                                                                                                 |

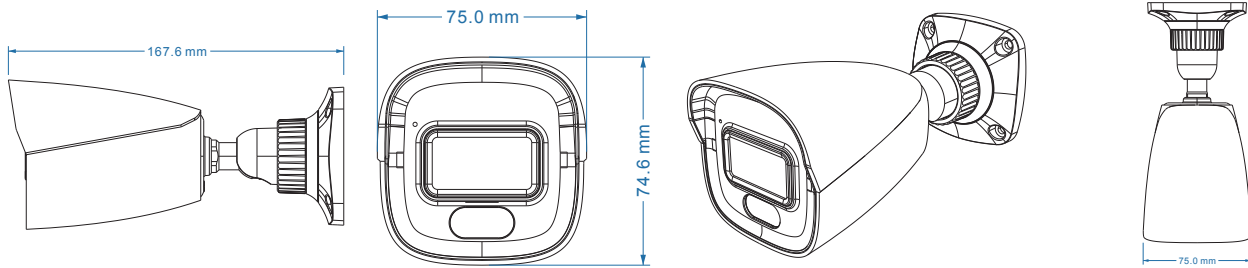
## OTHERS

|                                   |                                                                                               |
|-----------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Power supply :</b>             | DC12V/PoE                                                                                     |
| <b>Power consumption :</b>        | < 7W                                                                                          |
| <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>                | 167.6 x75 x74.6                                                                               |
| <b>Weight :</b>                   | Approx. 0.42KG                                                                                |
| <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 IPSB8F2DL</b> | Standard Bullet series Resolution 8MP Lens 2.8mm IR/WL: 30m IA IP67 ONVIF NDAA |

## DIMENSIONS FOR GGM IPSB8F2DL



## ACCESSORIES FOR GGM IPSB8F2DL



GGM AJB009



GGM AJB009+GGM APMB001



GGM AJB009+GGM ACMB001



GGM AJB009+GGM ATMB002