



Advanced series Bullet. 4MP Resolution. Lens 2.8 mm, IR 30m. WDR 120 dB. IA functions(Line crossing, Intrusion, Loitering, Abandoned objects, counting, heatmap...), Metadatas. IP67 PoE OVIF NDAA.

GGM IPAB4F2IR



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 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.

Product features

- Produit : Gigamedia IP tube camera

Article features

- Software : 2/5/2003
- Range : E series



- Model Type : Bullet
- Chipset : Novatek
- Image sensor : 1 / 3 "CMOS
- 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 3.6 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 adjustment : 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
 - H264 Compression standard : Baseline Profile/Main Profile/High Profile
 - Image Size : 2688 × 1520
 - 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
 - Vidéo Output : No
 - Number of audio in : 1
 - Number of audio out : 1
 - Built-in speaker : /
 - Built-in microphone : 1CH built-in MIC
 - Storage : Built-in micro SD card slot; up to 256GB
 - Reset : Yes
 - Alarm in : No
 - Alarm out : No
- **PTZ**
 - Number of preset : 0
 - Number of patrol : /
 - 3D privacy mask support (number of zone) : /
- **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 /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 16 cameras



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 , IEEE802.3af
- IR distance : 20-30m
- Warm led distance : /
- IP protection rate : IP67
- IK protection rate : /
- **Others**
 - Power supply : DC12V/PoE
 - Power consumption :
 - 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)

ETIM 10 features

- Model : Standard (Fixed)
- Construction type : Bullet shape
- Thermal camera : No
- Number of pixels (Megapixel) : 4
- With lens : Yes
- Modular (lens and camera separated) : No
- Focal size : 2,8 - 2,8
- Shutter control : DC
- Motor zoom : No
- Suitable for wall mounting : Yes
- Suitable for ceiling mounting : Yes
- Suitable for surface mounting : Yes
- Flush-mounted installation/built-in installation : No
- Suitable for outdoor use : Yes
- Communication medium wired : Yes
- Type of transmission medium : Twisted Pair
- Communication medium wireless : No
- Type of interface : None
- Protocol : TCP/IP
- Power over Ethernet (PoE) : 802.3 af (PoE)
- Picture system : PAL
- Frame rate : 30 fps
- Property picture system : Colour
- With infrared lighting : Yes
- Max. infrared reach : 30 m
- With white light : No
- Number of video streams : 3
- Supports H.264 codec : Yes
- Supports H.265 codec : Yes
- Supports Motion JPEG codec : No
- Supports MPEG-4 codec : No
- With video motion detector : Yes
- With integrated AI analysis : Yes
- With slot for memory card : Yes
- With memory card : No
- Memory capacity : 256 Go
- Number of audio inputs : 1



- Number of audio outputs : 1
- HDMI-connection : No
- Mini HDMI-connection : No
- VGA-connection (D-Sub 15-pole) : No
- DVI-connection : No
- DisplayPort-connection : No
- Mini DisplayPort : No
- S-Video-connection : No
- USB-C-connection : No
- Vandal proof : No
- Impact strength : IK08
- Degree of protection (IP) : IP67
- Horizontal field of view : 95.3
- Vertical field of view : 53,2 - 53,2
- With microphone : Yes
- With loudspeaker : No
- Supply voltage : 12 - 12
- Voltage type : DC
- Colour : White
- Ambient temperature : -30 - 60
- Height : 74 mm
- Width : 74.5 mm
- Depth : 167.5 mm
- Compatible with Apple HomeKit : No
- Compatible with Google Assistant : No
- Compatible with Amazon Alexa : No
- IFTTT support available : No