



PRO FISHEYE IPCAMERA GGM IPPF121IR



Pro Range

Proven and efficient solution, this product will be the perfect solution for the surveillance of open spaces, retail projects, requiring 360° surveillance with intelligent analysis of the filmed scenes.

FEATURES

Software :	5.2.0
Model Type :	Fisheye
Chipset :	Novatek
Image sensor :	1/1.7"
Image size :	4000×3000
Electronic shutter :	1/3s ~ 1/100000s
Iris Type :	Fixed IRIS
Minimum illumination :	0.01 lux@F2.0, AGC ON; 0 lux with IR
Lens :	1.65 mm @F2.0
Focus :	Fixed Iris
Lens Mount :	M12
Field of view H/V/D :	180 (wall mounting) 360 (ceiling mounting) 360 (desktop)
Day & Night :	ICR
WDR (wide dynamic range) :	Digital WDR
BLC :	Yes
HLC :	Yes
Defog :	Yes
S/N ratio :	50 dB
Digital NR :	3D DNR
EIS :	No
Angle adjustment :	/

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 :	Baseline Profile/Main Profile/High Profile
Privacy mask :	4 mask
Main stream :	<p>Mode1: Fisheye Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360(50Hz: 1~25fps; 60Hz: 1~30fps)</p> <p>Mode2: Panoramic Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (third stream): 1280×720/640×360 (50Hz:1~20fps; 60Hz:1~20fps)</p> <p>Mode 3: Fisheye+Panoramic+3 PTZ Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~15fps; 60Hz:1~15fps) Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~15fps; 60Hz: 1~15fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~15fps; 60Hz: 1~15fps) Panoramic view (third stream): 1280×720/640×360(50Hz:1~15fps; 60Hz: 1~15fps) 3PTZ view: (1280×720/960×540/640×360) * 3 (50Hz:1~15fps; 60Hz: 1~15fps)</p> <p>Mode 4 Fisheye+ 4 PTZ Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps) 4PTZ view : (1280×720/960×540/640×360) * 4 (50Hz:1~15fps; 60Hz: 1~15fps)</p> <p>Mode5 Fisheye+ 4 PTZ Fusion Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps)</p>
Sub Stream :	<p>Mode1: Fisheye Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360(50Hz: 1~25fps; 60Hz: 1~30fps)</p> <p>Mode2: Panoramic Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (third stream): 1280×720/640×360 (50Hz:1~20fps; 60Hz:1~20fps)</p> <p>Mode 3: Fisheye+Panoramic+3 PTZ Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~15fps; 60Hz:1~15fps) Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~15fps; 60Hz: 1~15fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~15fps; 60Hz: 1~15fps) Panoramic view (third stream): 1280×720/640×360(50Hz:1~15fps; 60Hz: 1~15fps) 3PTZ view: (1280×720/960×540/640×360) * 3 (50Hz:1~15fps; 60Hz: 1~15fps)</p> <p>Mode 4 Fisheye+ 4 PTZ</p>

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Third stream :

Mode1: Fisheye
 Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz: 1~30fps)
 Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz: 1~30fps)
 Fisheye view (third stream): 960×960/ 640×640/360×360(50Hz: 1~25fps; 60Hz: 1~30fps)
 Mode2: Panoramic
 Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~20fps;
 60Hz:1~20fps)
 Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~20fps; 60Hz:1~20fps)
 Panoramic view (third stream): 1280×720/640×360 (50Hz:1~20fps; 60Hz:1~20fps)
 Mode 3: Fisheye+Panoramic+3 PTZ
 Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~15fps; 60Hz:1~15fps)
 Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~15fps; 60Hz:1~15fps)
 Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~15fps; 60Hz:1~15fps)
 Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~15fps;
 60Hz: 1~15fps)
 Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~15fps; 60Hz: 1~15fps)
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Bitrate :	64Kbps ~ 16Mbps
Bit rate Type :	VBR/CBR
Audio Compression :	G711A / U
Image settings :	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser
Corridor mode :	No
ROI :	Each ROI to be configured separately

INTERFACES

Network :	1 CH RJ45 10 M/100 M self-adaptive Ethernet port
Surge Protection :	Differential Mode±2KV, Common Mode±4KV
Video Output :	CVBS (BNC ×1)

Number of audio in :	1
Number of audio out :	1
Built-in speaker :	/
Built-in microphone :	2CH Built-in MIC,
Storage :	Network remote storage; micro SD card storage up to 256 Gb
Reset :	Yes
Alarm in :	1CH alarm input
Alarm out :	1CH alarm output

ANALYTICS

Smart Event :	Mode 1/3/4/5 (ceiling mounting): (Human) region intrusion/region entrance/region exiting/line crossing/target counting by line, heat map Mode 2/3 (Wall mounting or desktop): Region intrusion/region entrance/region exiting/line crossing/target counting by line (human/motor vehicle/non-motor vehicle classification)
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DORI (BASED ON 2.8mm/2.8-12mm)

Detect :	/
Observe :	/
Recognize :	/
Identify :	/

FUNCTIONS

Remote monitoring :	Web browser /TVT 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 6 users; Support multi-stream real time transmission
Network protocol :	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPS, HTTP, QoS, P2P, HTTP POST
Onvif version/Profile :	ONVIF 22.12/T, S, G
Smart Alarm :	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection, audio alarm, audio exception
General function :	Watermark, video mask, heartbeat, corridor pattern, fisheye dewarping, system backup, disarming, cloud upgrade, ANR
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/API services
POE :	Yes, IEEE802.3af
IR distance :	10-20m

Warm led distance :	/
IP protection rate :	IP67
IK protection rate :	/

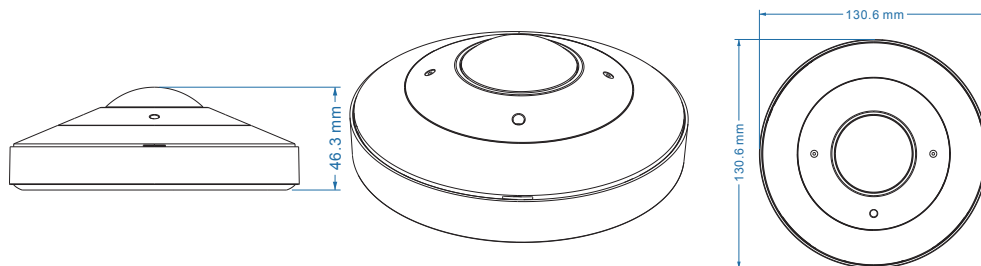
OTHERS

Power supply :	DC12V/PoE
Power consumption :	<10.5W
Storage conditions :	-30 to 65 [-22°F to 149 °F]. Humidity 95% or less (non-condensing)
Operating conditions :	-30 to 60 [-22°F to 140 °F]. Humidity 95% or less (non-condensing)
Dimension :	Ø130.6x46.3
Weight :	Approx. 516.2g
Installation :	Wall mounting, ceiling mounting, desktop
Certificate :	CE, FCC, UKCA
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 IPPF121IR	Fisheye Pro Camera 12MP IR 20m Intelligent Analytics IP67 PoE NDAA

DIMENSIONS



ACCESSORIES



GGM AJB006



GGM ATMB004



GGM AWMB018



GGM AWMB006