

FW9317-GKM1-E

4K Motorized AF Global Shutter ANPR/LPR

FW9317-GKM1-E is Outdoor IR All-in-one Motorized Camera which is equipped with 12.41MP (Effective Pixel) 1/1.1" SONY IMX565 Global Shutter CMOS image Sensor. with the highest sensitivity sensor, it is especially superior in low light condition. As it supports simultaneous H.265, H.264 and MJPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@8M (3840x2160) in progressive mode.

Key Features

- Backdoor Issue free - Non Hi-Silicon
- 1.2Tops NPU (AI)
- Native support for deep learning AI features
- Sony IMX565 (1/1.1") 12.41MP Global Shutter Image Sensor
- Strobe driven power LED (32 LED on left/right, Total 64EA)
- Good for ANPR or LPR
- 20.0~70.0mm Motorized AF
- Max. 30fps@8MP (3840x2160)
- Quadruple Streaming (H.265, H.264, M-JPEG, JPEG)
- Various Back light mode
- D-WDR, Defog
- IP filtering & Management White List
- ONVIF Profile S, T
- Multi Browser support (Chrome, Edge, I.E)



Tech Notes

Global shutter cameras for LPR

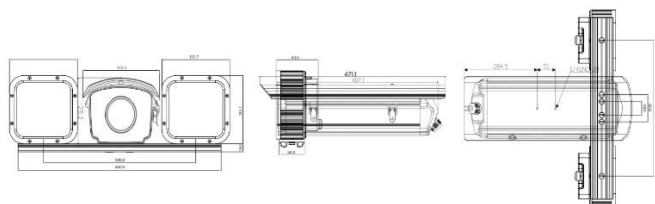
High-speed, smear-free still image capture is the hallmark of global shutter image sensors. Applications such as traffic management, metrology and robotics inspection all need to image fast-moving objects without smear or distortion. These imagers have the ability to electronically shutter itself and "stop the action."

Strobe Light

Strobes produce a bright light in a similar way to on-camera flash. They differ in that they're brighter, they produce extremely short bursts of light, and they recharge quickly.

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Technical Specifications



Camera	
Image Sensor	1/1.8" 5.10MP Sony IMX567 GS CMOS
Lens	20.0~70.0mm Motorized AF
P-IRIS	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05 lux B&W : 0 lux (IR On)
Video Stream	
System	64bit RISC-V Quad Core up to 594MHz, NAND Flash 2Gbit(256MB) / LPDDR3 8Gbit(1024MB)
Compression	H.265, H.264, M-JPEG, JPEG
Resolution	3840x2160, 2560x1440, 1920x1080, 1280x720, 720x480, 640x352, 320x240
Frame rate	30fps, 25fps@8M
Bitrate Control	CVBR, CBR, VBR
Video Stream	Quadruple Streaming
Video Setting	
Motion Detection	4 Areas
Audio Detection	Disable / Enable (70dB ~ 130dB Over) Mic Volume Setting (1~50)
Privacy Masking	8 Areas
Video Analytics	Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection
AI	Object Detection (Human/Vehicle/Bicycle etc.), Face Detection
Smart Video	ROI (Region of Interest) 8 Areas
ELC/ALC	ELC (Normal/Deblur) ALC (Indoor/Outdoor/Deblur)
Auto Exposure Weight	0~255
Shutter	Auto / Manual / Flicker
Electronic Shutter	1/30~30,000
Sens Up	Off / x2 / x4 / x8 / x16 / x32
Back Light Mode	Off / HLC (0~20)
Day-Night Mode	Off / Color / B&W / External (High/Low)
IR LED	Disable / Enable (High/Low)
White Balance	Auto / Preset / Manual
Digital Noise Reduction	2 DNR (0~255) 3 DNR (0~255)
Image Adjustment	Sharpness, Gamma, Mirror, Flip, Contrast
D-WDR	Off / Low / Middle / High
Defog	Off / Low / Middle / High (Auto / Manual)
Color Mode	Default / Vivid
Network	
Security	IP Filtering, HTTPS, Encrypted & Basic Authentication, Management White List, Digest

Supported protocols	HTTP, RTP/RTSP (Uni/Multicast), TCP/IP (v4/v6), UDP, FTP, Telnet, HTTPS, RARP, SNMP (option), DHCP, NTP, SMTP client, uPnP & etc
DDNS	www.ipcctvdns.com
Interface	RJ45 Ethernet 10/100Mbps
System Integration	
Programing Interface	SDK, ONVIF Profile S, T
Triggering Event	Motion detection, triggering DI, triggering serial input, connected/disconnected, boot finished
Action on Event	Pre-alarm & Post-alarm buffer, Upload FTP, Email notification, FCM Google notification
Alarm	1DI / 1DO
Illuminator	
Type	Power LED 32 x 32, 64EA, up to 150m
Onboard storage	
Type	1 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Browser (Chrome, I.E, Edge) Program (SMVP, SMVP lite, VLC) Mobile App (FlexWATCH Mobile App) VMS, NVR
Video / Audio	
Video Out	CVBS
Audio Compression	G.711-ulaw, Sampling Rates 8KHz, 16bit/Mono
Audio Stream	2 way
Connection	1 Audio In / 1 Audio Out
Hardware	
Case	Metal
Power Supply	AC 110~220V free voltage
Power Consumption	TBD
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	400(W) x 471.1(D) x 149.7(H) mm
Weight	Approx. 4500g
Approval	TBD
Accessories	-
Bundle Software	IP Installer PLUS, SMVP lite, Smart NVR Lite

Note : AI capabilities may not perform perfectly all the time because their performance can be affected by the environment and the content they are trained on.