FW9317-GPM1-WE

5MP Global Shutter White Light ANPR/LPR

FW9317-GPM1-WE is Outdoor All-in-one Global Shutter IP camera which is equipped with 5.10MP 1/1.8" Sony IMX567 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, M-JPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@5M in progressive mode.

Key Features

• Backdoor Issue free
• Sony IMX567 1/1.8" 5.10MP Global Shutter Image sensor
• Strobe driven White-Light power LED for traffic applications
• 12 ~ 40mm Motorized IR AF Lens
 (option: CS mount 11.0~50.0mm IR correction Lens)
• Support P-Iris
• Max. 30fps@5MP
• Quadruple Streaming H.265, H.264, M-JPEG, JPEG
• Various Back light mode of WDR, BLC, HLC
• D-WDR, Defog
• IP filtering & Management White List
• Shutter limit setting
 - Good for the better night time moving object image
 - To avoid saturation under strong back light or IR reflection
• ONVIF Profile S, T

Tech Notes
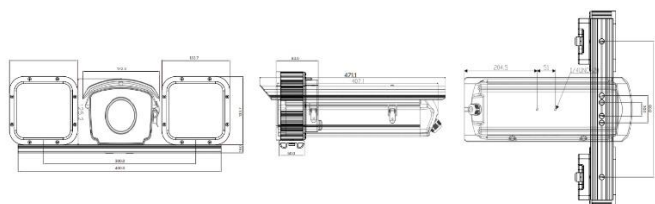
Global shutter cameras for LPR

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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Camera	
Image Sensor	1/1.8" 5.10MP Sony IMX567 Global Shutter CMOS
Lens	12.0~40.0mm Motorized AF Lens, option: CS 11 ~ 50mm P-Iris
P-IRIS	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.03lux B&W : 0 lux (IR On)
IR illuminator	150m, 32ea. strobe driven power White Light LED (2 Sets)
LPR performance	Distance 15 ~ 35m, speed 0 ~ 220km/h

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
Video Stream	Quadruple Streaming
Resolution	2448x2048, 2304x1728, 1920x1080, 1280x1024, 1280x720, 720x480, 640x480, 320x240
Max. Frame rate	30fps, 25fps@5M
Bit Rate Control	CVBR, CBR, VBR

Video Setting	
Lens type	ELC (Normal/Deblur) ALC (Indoor/Outdoor/Deblur)
Auto Exposure Weight	0 ~ 255
Shutter Mode	Auto / Manual / Flicker
Electronic Shutter	Minimum/ Maximum, 1/30~1/30,000s
Sens Up	Off / x2 / x4 / x8 / x16 / x32
AGC	0 ~ 255
Back Light Mode	Off / HLC / BLC / WDR
Day-Night Mode	Off / Color / B&W / External
IR LED	Disable / Enable
White Balance	Auto / Preset / Manual
Digital Noise Reduction	2 DNR, 3 DNR
Image Adjustment	Sharpness, Gamma, Mirror, Flip, Contrast
D-WDR	Off / Low / Middle / High
Defog	Off / Low / Middle / High
Color Mode	Default / Vivid
Text OSD	9 lines, settable size, color, position, etc.
Smart Video	ROI (Region of Interest) 8 areas
Privacy Masking	8 Areas

Analytics	
Motion Detection	4 areas
Object Detection	Deep learning based AI Person, Bicycle, Motorcycle, Car, Truck, Bus, Face Detection
Video Analytic	Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection

Network	
Security	IP Filtering, HTTPS, Encrypted & Basic Authentication, Management White List
Supported Protocols	HTTP, RTP/RTSP (Uni/Multicast), TCP/IP (v4/v6), UDP, FTP, Telnet, HTTPS, RARP, SNMP (option), DHCP, NTP, SMTP client, uPnP, ZeroConf
DDNS	www.ipcctvdns.com
Interface	RJ45 Ethernet 10/100Mbps

Cybersecurity	
Asymmetric Encryption Algorithm	RSA 2048 bits
Digital Signature Algorithm	RSA 2048 bits
Symmetric Encryption Algorithm	AES-128, AES-256
Cryptographic Hash Functions	SHA-256, MD5
Token Authentication Code	SHA-256, MD5
Key Exchange Protocols	RSA Key Exchange
Certificate	X.509

System Integration	
Application Programing Interface	SDK, ONVIF Profile S, T
Event Condition	Motion detection, audio detection, external digital input, external input data, SD card error
Event Action	Pre-alarm & Post-alarm buffer Image upload: FTP (periodic, buffer) Notification: email, HTTP, TCP, UDP External digital output
Edge AI	Supported

Peripheral & Auxiliary I/O	
Onboard Recording	MicroSD card slot, support up to 1TB
Audio	Line in, line out Audio compression: G.711-ulaw, Sampling rate 8KHz, 16bit, Mono Audio streaming: 2-way
External alarm	1 digital input, 1 digital output (NO/NC)
Serial interface	1 RS485
Video out	CVBS (SD analog)

Software	
Web Browser	IE, Chrome, Edge
Mobile Viewer	iOS, Android
CMS	Smart Multi Viewer and Player
NVR	SmartNVR (up to 9 channels free license)
Device manager	IP Installer

General	
Case/ Color	Metal/ Beige
Power Supply	AC 100~240V
Power Consumption	560mA/26.88W @ 1/500 300mA/14.4W @ 1/1000 140mA/6.72W @ 1/2000
Operating Environment	-20℃ ~ +60℃, 10% ~ 90% RH
Dimension	400(W) x 471.1(D) x 149.7(H) mm
Weight	Approx. 4500g
Protection	IP66

Certifications	KC, CE, FCC, RoHS
Included Accessories	Waterproof RJ45 connector cap, 3-meter extension cable for each external illuminator

Note :

* Specifications are subject to change without notice for product improvement.

* LPR performance can be affected by the environment.

* 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.