

FW9317-GKN-WE

8MP Global Shutter White Light ANPR/LPR

FW9317-GKN-WE is Outdoor All-in-one Global Shutter IP camera which is equipped with 12.41MP 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, M-JPEG Video Compression, less network bandwidth and storage space required. It also delivers high quality video image at 30fps@8M in progressive mode.

Key Features

- Backdoor Issue free
- Sony IMX565 1/1.1" 12.41MP Global Shutter Image sensor
- Strobe driven White-Light power LED for traffic applications
- CS mount 11.0~50.0mm P-Iris lens
- Support P-Iris
- Max. 30fps@8MP
- 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

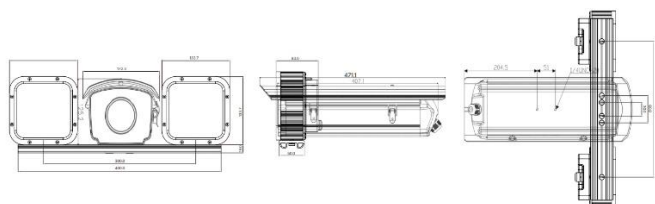
High-speed, smear-free still image capture is the hallmark of global shutter image sensors. Applications such as traffic management, metrology and robotics inspection all need to image fast-moving objects without smear or distortion. These imagers have the ability to electronically shutter itself and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



Counting, Object Tracking, Tampering, General Detection, Abnormal Detection

Camera	
Image Sensor	1/1.1" 12.41MP Sony IMX565 Global Shutter CMOS
Lens	CS 11 ~ 50mm P-Iris
P-IRIS	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.03 lux B&W : 0 lux (IR On)
IR illuminator	100m, 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	3840x2160, 2560x1440, 1920x1080, 1280x1024, 1280x720, 720x480, 640x480, 320x240
Max. Frame rate	30fps, 25fps@8M
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

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.ipccvtdns.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 Programming 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 560mA/26.88W @ 1/500
Power Consumption	300mA/14.4W @ 1/1000 140mA/6.72W @ 1/2000
Operating Environment	-20°C ~ +60°C, 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.