

FW7930-GXM

3MP Global Shutter Bullet

FW7930-GXM is a high-quality IR bullet IP camera which is equipped with 3.19MP 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 30 fps @ 3MP in progressive mode.

Key Features

- Ambarella platform – Backdoor Issue free
- 1/1.8" 3.19MP Sony IMX265 Global Shutter CMOS sensor
- 3.6~11.0mm Motorized Auto-Focus Lens
- 4 Strobe driven Power IR LEDs up to 50M
- Quadruple Stream H.265, H.264, M-JPEG, JPEG
- Max. 30fps @ 3MP
- OnVIF Profile S standard



Tech Notes

Global shutter cameras for LPR

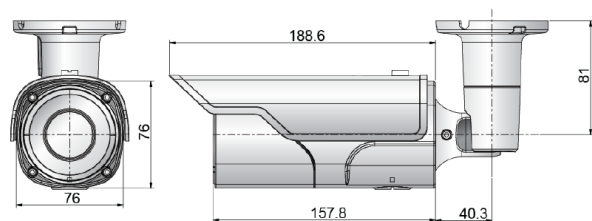
High-speed, smear-free still image capture is the hallmark of global shutter image sensors. Applications such as traffic management, metrology and robotics inspection all need to image fast-moving objects without smear or distortion. These imagers have the ability to electronically shutter itself and "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" 3.19MP Sony IMX265 GS CMOS
Lens	3.6~11.0mm Motorized Auto-Focus (Option) 6.0~22.0mm
P-IRIS (Option)	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05lux (0.02 lux DSS ON), B&W : 0 lux (IR On)
IR Illumination	50m, 4ea. strobe driven power LED
LPR operation	Distance 15 ~ 20m, speed 0 ~ 220km/h
Video Stream	
System	Ambarella 32bit Embedded Linux 256Mbyte SDRAM, 128Mbyte NAND Flash
Compression	H.265, H.264, M-JPEG, JPEG
Video Stream	Quadruple Streaming
Resolution	2048x1536, 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Max. Frame rate	Max. 30fps/25fps @ 3MP
Bit Rate Control	VBR/AVBR/CBR/ACBR, GOP
Video Setting	
Exposure Control Mode	Day, Night, Motion detection, Digital input
Lens type	ELC / ALC
Auto Exposure Weight	25 ~ 400
AE Metering	Spot/ Average/ Center/ Center flip
Shutter Mode	Auto / Manual / Flicker
Electronic Shutter	Minimum/ Maximum, 1/25~1/32,000s
Sens Up	Off / x1 / x2
AGC	0 ~ 72
Back Light Mode	BLC, DOL WDR
Day-Night Mode	Color/ B&W/ Auto Night B&W, Auto Night Color (5 steps)
Strobe Delay	-50 ~ 50
Fixed Strobe	Disable, 1 ~ 5,000
White Balance	Auto / Incandescent/ Fluorescent/ Underwater/ Cloudy/ Flash/ etc.
Digital Noise Reduction	3 DNR
Image Adjustment	Brightness, Contrast, Sharpness, Hue, Saturation
Image Direction	Vertical flip, Horizontal flip, Corridor
D-WDR	0 ~ 128
Color Mode	Default / Standard/ 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	-
Video Analytic	-
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	Key Length RSA 2048 bits
Digital Signature Algorithm	Key Length RSA 2048 bits
Symmetric Encryption Algorithm	AES Key Length 128 bit
Cryptographic Hash Functions	SHA-256
Token Authentication Code	HMAC-SHA-256
Key Exchange Protocols	RSA Key Exchange

Certificate	X.509
System Integration	
Application Programming Interface	SDK, ONVIF Profile S
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
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, Firefox, Safari
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	DC12V / 3A PoE : IEEE 802.3at
Power Consumption	Max. 7.8W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	85φ x 280(L) x 80(H) mm
Weight	About 1250g without Power Supply
Protection	IP67
Warranty	2-year warranty
Certifications	KC, CE, FCC, RoHS
Included Accessories	Sunshield, waterproof RJ45 connector cap, hexagon key L-wrench

Note : LPR performance can be affected by the environment.