

FW9307-PXM

5MP Motorized AF All-in-One Housing

FW9307-PXM is a high-quality All-in-One Housing IP camera which is equipped with 5.14MP Progressive Scan 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
- 1.2Tops NPU AI
- Native support for deep learning AI features
- Sony Starvis 1/2.8" 5.14MP Image sensor
- 5.0~50mm Motorized AF Lens
- Max. 30fps@5M
- 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
- ONVIF Profile S, T
- Multi Browser support - Chrome, Edge, I.E



Tech Notes

Native support for deep learning AI features

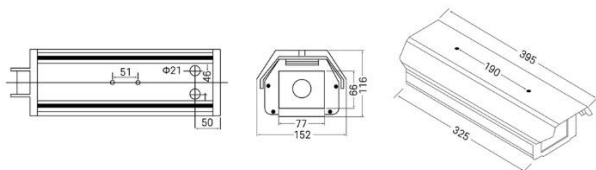
Object Detection, Face Detection, Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection are provided.

Multi Browser Support

It supports multi-browsers like Chrome, Edge.

FW9307-PXM

Technical Specifications



Camera	
Image Sensor	1/2.8" 5.14MP Sony Starvis PS CMOS
Lens	5.0~50mm Motorized AF Lens
P-IRIS (Option)	Support
Day & Night	True Day & Night
Min. Illumination	Color : 0.01 lux B/W : 0 lux (IR On)
IR illumination	100m, 16 ea. 850nm IR hi-power LED
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	2592x1944, 2560x1440, 2304x1728, 1920x1080, 1280x1024, 1280x720, 720x480, 704x480, 640x480, 640x352, 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 (> 120dB)
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
	Deep learning based AI
Object Detection	Person, Bicycle, Motorcycle, Car, Truck, Bus, Face Detection
	Intrusion Detection, Line Crossing, Object
Video Analytic	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 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			
	Line in, line out			
Audio	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	DC12V / 3.5A			
Power Consumption	IR LED	DIP switch		Power Consumption
	Brightness	S1	S2	
	Weak	OFF	OFF	16.8W@1.4A
	Middle	ON	OFF	22.8W@1.9A
	Strong	OFF	ON	26.4W@2.2A
Very Strong	ON	ON	28.8W@2.4A	
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH			
Dimension	152(W) x 395(D) x 116(H) mm			
Weight	Approx. 1,950g			

Protection	IP66
Certifications	KC, CE, RoHS
Included Accessories	SMPS adapter DC 12V

Note :

- * Specifications are subject to change without notice for product improvement.
- * 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.
- * IR illumination's range is dependent on the scene.