

FW7940-PXM

5MP Motorized AF Bullet

FW7940-PXM is a high quality Bullet IP camera which is equipped with 5.14MP (effective pixel) 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 (2592x1944) in progressive mode.

Key Features

- Backdoor Issue free - Non Hi-Silicon
- 1.2Tops NPU (AI)
- Native support for deep learning AI features
- Sony Starvis (1/2.8") 5.14MP Image sensor
- 5.0~50.0mm Motorized AF Lens
- Max. 30fps@5M (2592x1944)
- 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
- Multi Browser support (Chrome, Edge, I.E)



Tech Notes

Native support for deep learning AI features

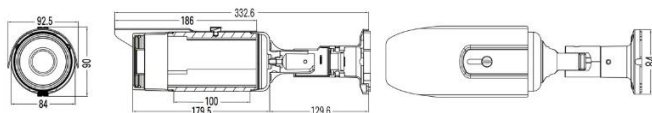
Object Detection (human, Vehicle etc), Face Detection, Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection are provided.

Multi Browser Support

It supports multi-browsers like Chrome, Edge.

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Technical Specifications



Camera	
Image Sensor	1/2.8" 5.14MP Sony Starvis PS CMOS
Lens	5.0~50.0mm Motorized AF Lens
P-IRIS (Option)	Support
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.06 lux B&W : 0 lux (IR On)
Video Stream	
System	64bit RISC-V Quad Core up to 594MHz, NOR Flash 512 Mb / LPDDR3 4Gb
Compression	H.265, H.264, M-JPEG, JPEG
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 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) / BLC / WDR (Low/Middle/High)
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
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	1 In / 1 Out (Option)
Illuminator	
Type	42 Power IR LED
Distance	Max. 50 Meter
Onboard storage	
Type	1 MicroSD Slot (Option)
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 (Option)
Connection	1 Audio In / 1 Audio Out (Option)
Security Specification	
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 (Message Authentication Code)	HMAC-SHA-256
Key Exchange Protocols	RSA Key Exchange
Certificate	X.509
Hardware	
Case	Metal
Power Supply	DC12V / 3A PoE : IEEE 802.3at
Power Consumption	AI OFF, IR ON : Max. 7.0W / AI ON, IR ON : Max. 8.0W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	84Φ x 332.6(L) x 90(H) mm
Weight	Approx. 820g
Approval	-
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.