

# FW7904-PXM

5MP Motorized AF PTZ Bullet

FW7904-PXM is High Quality PTZ 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 (Option : 2.7~13.5mm)
- PAN-TILT Support (Pan : 320°, Tilt : 45°)
- Max. 30fps@5MP (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, T
- Multi Browser support (Chrome, Edge, I.E)



## Tech Notes

### Native support for deep learning AI features

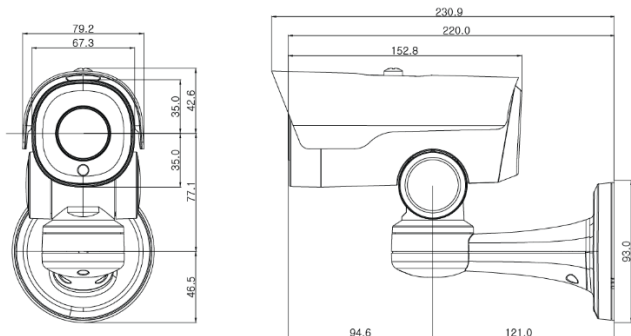
Object Detection (human, Vehicle etc), Face Detection, Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering, General Detection, Abnormal Detection are provided.

### Multi Browser Support

It supports multi-browsers like Chrome, Edge.

## FW7904-FXM

## Technical Specifications



| Camera                  |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Image Sensor            | 1/2.8" 5.14MP Sony Starvis PS CMOS                                                   |
| Lens                    | 5.0~50.0mm Motorized AF<br>(Option : 2.7~13.5mm)                                     |
| Day & Night             | True Day & Night (ICR)                                                               |
| Min. Illumination       | Color : 0.05 lux<br>B&W : 0 lux (IR On)                                              |
| Pan Tilt                | Pan : 320°<br>Tilt : 45°                                                             |
| Video Stream            |                                                                                      |
| System                  | 64bit RISC-V Quad Core up to 594MHz, NAND Flash 2Gbit(256MB) / LPDDR3 : 4Gbit(512MB) |
| Compression             | H.265, H.264, M-JPEG, JPEG                                                           |
| Resolution              | 2592x1944, 1920x1080, 1280x720, 720x480, 704x480, 640x480, 640x352, 320x240          |
| Max. Frame rate         | 60fps, 55fps@2M                                                                      |
| Bit rate control        | CVBR, CBR, VBR                                                                       |
| Video Stream            | Quadruple Streaming                                                                  |
| Video Setting           |                                                                                      |
| Motion Detection        | 4 Areas                                                                              |
| Audio Detection         | Disable / Enable (70dB ~ 130dB Over)<br>Mic Volume Setting (1~50)                    |
| Privacy Masking         | 8 Areas                                                                              |
| Video Analytics         | Intrusion Detection, Line Crossing, Object Counting, Object Tracking, Tampering      |
| AI                      | Object Detection (Human/Vehicle/Bicycle etc.)<br>Face Detection                      |
| Smart Video             | ROI (Region of Interest) 8 Areas                                                     |
| ELC/ALC                 | ELC (Normal/Deblur)<br>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<br>(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)<br>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         |
| 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, T                                                                                        |
| 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                  | 4 High Power LED                                                                                               |
| Distance              | Max. 50 Meter                                                                                                  |
| Onboard storage       |                                                                                                                |
| Type                  | 1 MicroSD Slot (Option)                                                                                        |
| Recording             | Always, Schedule, Event, Schedule & Event                                                                      |
| Playback              | Browser (Chrome, I.E, Edge)<br>Program (SMVP, SMVP lite, VLC)<br>Mobile App (FlexWATCH Mobile App)<br>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)                                                                              |
| Hardware              |                                                                                                                |
| Case                  | Metal                                                                                                          |
| Power Supply          | DC12V / 3A<br>PoE : IEEE 802.3af                                                                               |
| Power Consumption     | MAX 8.0W                                                                                                       |
| Operating Environment | -20℃ ~ +60℃, 10% ~ 90% RH                                                                                      |
| Dimension             | 93.0(W) x 260.1(L) x 166.2(H) mm                                                                               |
| Weight                | Approx. 1.12kg                                                                                                 |
| 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.