

FW9002-FEP

2MP Fixed Miniature

FW9002-FEP is a high quality miniature IP camera which is equipped with 2.13MP(effective pixel) Progressive Scan CMOS image Sensor. With the highest sensitivity Starvis 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 60fps@2M(1920x1080) in progressive mode.

Key Features

- Backdoor Issue free - Non Hi-Silicon
- Sony Stavis (1/2.8") with 2.13MP image sensor
- 4.0mm Fixed Lens
- Max. 60fps@2MP (1920x1080)
- 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)



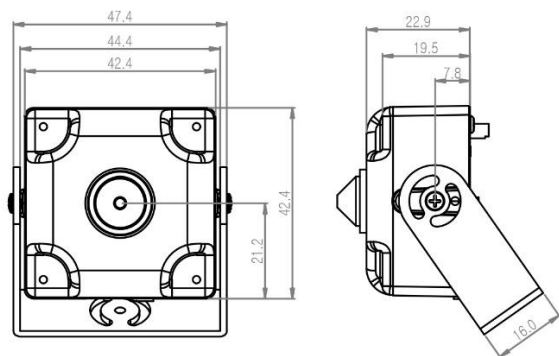
Tech Notes

Multi Browser Support

It supports multi-browsers like Chrome, Edge.

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Technical Specifications



Camera	
Image Sensor	1/2.8" 2.13MP Sony Starvis PS CMOS
Lens	4.0mm Fixed
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 3 lux B&W : 0.1 lux
Video Stream	
System	64bit RISC-V Quad Core up to 594MHz, NAND Flash 2Gb / LPDDR3 4Gb
Compression	H.265, H.264, M-JPEG, JPEG
Resolution	1920x1080, 1280x1024, 1280x720, 720x480, 704x480, 640x480, 640x352, 320x240
Frame rate	60fps, 50fps@2M
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
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
IR LED	Disable / Enable (High/Middle/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
Protocol	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	
Programming 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	-
Illuminator	
Type	-
Distance	-
Onboard storage	
Type	1 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Browser (Chrome, Edge, I.E) Program (SMVP, SMVP lite, VLC) Mobile App (FlexWATCH Mobile App) VMS, NVR
Video / Audio	
Video Out	-
Audio Compression	G.711-ulaw, Sampling Rates 8KHz, 16bit, Mono
Audio stream	2 way (Option)
Connection	-
Hardware	
Case	Metal
Power Supply	DC12V / 1A PoE : IEEE 802.3af
Power Consumption	Max. 3.0W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	42.4(W) x 22.9(D) x 42.4(H) mm
Weight	약 70g (with bracket)
Approval	KC, TTA
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