

FW7900-FAF

2MP Fixed Bullet

FW7900-FAF is a high-quality IR bullet IP camera which is equipped with 2.13MP 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 30 fps@Full HD 1920X1080 in progressive mode.

Key Features

- Ambarella platform – Backdoor Issue free
- Sony Starvis 1/2.8" 2.13MP PS CMOS Sensor
- Night Color with super high sensitive sensor
- 3.6mm Fixed Lens
- Quadruple Stream H.265, H.264, M-JPEG, JPEG
- Max. 30fps @ 2MP 1920x1080
- DOL WDR
- Night Color level adjustment
- Shutter limit Min./Max. setting
 - Good for the better night time moving object image
 - To avoid saturation under strong back light or IR reflection
- OnVIF Profile S standard



Tech Notes

Backdoor Issue free

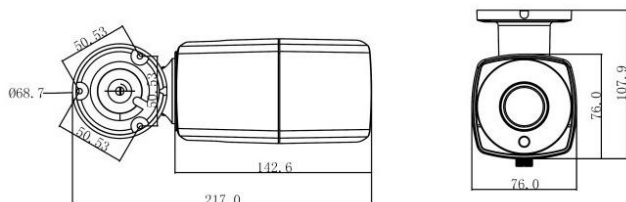
FlexWATCH uses backdoor issue free USA Ambarella platform.

Latency

Latency is request and response time between IP cameras and remotely connected client devices or servers. FlexWATCH IP camera shows the lowest Latency time (25%~40% better) against popular other IP cameras from various brands.

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Technical Specifications



Camera	
Image Sensor	1/2.8" 2.13MP Sony Starvis PS CMOS
Lens	3.6mm Fixed Lens
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05 lux B/W : 0.0005 lux / 0 lux (IR On)
IR illumination	40m, 36ea. 850nm IR LED
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	1920x1080, 1280x720, 704x480, 640x480, 640x352, 320x240
Max. Frame rate	Max. 30fps/25fps @ 2MP
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)
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	-
External alarm	-
Serial interface	-
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/ White
Power Supply	DC12V / 1A PoE : IEEE 802.3af
Power Consumption	Max. 6.0W
Operating Environment	-20°C ~ +55°C, 10% ~ 90% RH
Dimension	166 x 63 x 50.8 (mm)
Weight	About 380g without Power Supply
Protection	IP66
Warranty	2-year warranty
Certifications	KC
Included Accessories	Waterproof RJ45 connector cap, hexagon key L- wrench

Note :