FW7900-FAF

2MP Fixed Bullet

FW7900-FAF is a high quality Bullet type 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 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 (>120dB)

- Night Color level adjustment (B/W, 10, 20, 30, 40, 50)

- 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
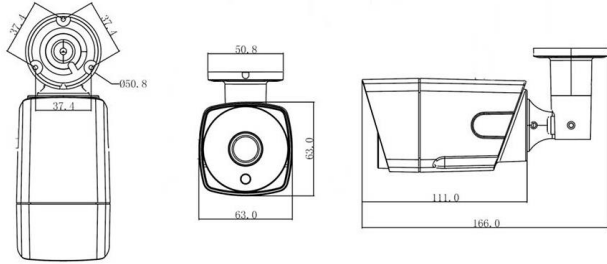FlexWATCH uses backdoor issue free USA Ambarella platform.

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	
Imaging Sensor	1/2.8" 2.13MP Sony Starvis PS CMOS Sensor
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)

Video Stream	
System	Ambarella 32bit Embedded Linux 256Mbyte SDRAM, 128Mbyte NAND Flash
Compression	H.265, H.264, M-JPEG, JPEG
Resolution	1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Frame rate	30fps/25fps @ Full-HD
Video Stream	Quadruple Streaming, selectable : H.265/H.264/MJPEG, Frame rate, Bitrate, VBR/AVBR/CBR/ACBR, GOP

Video Setting	
Motion Detection	4 Areas
Audio Detection	Enable (sensitivity setting) / Disable
Privacy Masking	8 Areas
Video Analytics	Optional (Face Detection, Tampering, Tripwire etc.)
Smart Video	ROI
Exposure Mode	Indoor / Outdoor
AE Metering Mode	Spot / Center / Average / Venter Flip
Shutter Control	Manual (Min./Max. Setting) / Auto
Max AGC Gain	0~72
Sense Up Level	Off / 1 / 2
Back Light Compensation	Enable / Disable
Auto Exposure Weight	25% ~ 400%
WDR	DOL WDR (Enable / Disable), D-WDR 0~128
Image Adjustment	Brightness / Contrast / Hue / Saturation / Sharpness
White Balance	Auto / Manual / 9 Special Condition / Custom
3DNR	0~11
Day & Night Control	Color / Black&White / AutoNight Color (B/W, 10, 20, 30, 40, 50)

Image Direction	Vertical Flip / Horizontal Flip / Corridor Mode

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, DHCP, NTP, SMTP client, uPnP&etc
DDNS	www.ipcctvdns.com
Interface	RJ45 Ehternet 10/100Mbps

System Integration	
Programing Interface	SDK, OnVIF Profile S
Video Analytic	-
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
Connection	-

Illuminator	
Type	36 IR LEDs
Distance	Max. 35Meter

Onboard storage	
Type	-
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App

Video / Audio	
Video Out	1 CVBS
Audio Compression	-
Audio stream	-
Connection	-

General	
Case	Metal
Power Supply	SMPS, DC12V / 1A PoE : IEEE 802.3af
Power Consumption	Max. 6.0W
Operating Environment	-20℃ ~ +55℃, 10% ~ 90% RH
Dimension	166 x 63 x 50.8 (mm)
Weight	About 380g without Power Supply
Approval	TBD
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite

Miscellaneous	
This camera supports DI, DO, RS485 and MicroSD card slot internally. If user need these functions please contact to us.	