

FW7902-PVF is a high quality Bullet type IP camera which is equipped with 6.82MP(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 15fps@5M(2592x1944) or 30fps@4M(2688x1520) in progressive mode.

## Key Features

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- Ambarella platform – Backdoor Issue free
- Sony Starvis (1/2.9”) 6.82MP PS CMOS Sensor
- Night Color with super high sensitive sensor
- 3.6mm Fixed Lens
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 15fps@5M(2592x1944) or 30fps@4M(2688x1520)
- 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

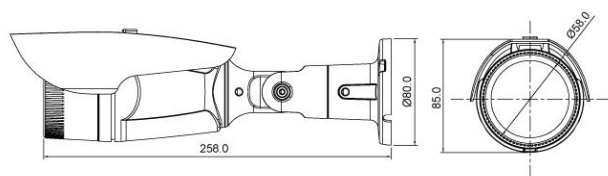
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**Saturation** defines the brilliance and intensity of a color. When you feel the color of the image is not so brilliant or strong, set Saturation higher. The term hue refers to the color of the image itself, while saturation describes the intensity (purity) of that hue. When color is fully saturated, the color is considered in purest (truest) version. Primary colors red, blue and yellow are considered truest version color as they are fully saturated.

**The SONY STARVIS** is back-illuminated pixel technology used in CMOS image sensors for surveillance camera applications. The excellent high sensitivity and low noise generates a wonderful full-color imaging world in any scene, any time.

# FW7902-PVF

# Technical Specifications



Camera	
Imaging Sensor	1/2.9" 6.82MP Sony Starvis PS CMOS Sensor
Lens	3.6mm Fixed
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.06 lux B/W : 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	2592x1944, 2688x1520, 2048x1536, 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Frame rate	30fps, 25fps, 15fps@5M(2592x1944)
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	Motion detection. Optional: ROI, Tripwire, Tampering, Face Detection
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	24 IR LEDs
Distance	Max. 25Meter
Onboard storage	
Type	1 MicroSD Slot
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. 4.5W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	50φ x 235(L) x 76(H) mm
Weight	About 596g without Power Supply
Approval	KC, CE, FCC, RoHS, IP66
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite