

FW9302-PXM is Outdoor IR All-in-one Motorized IP Camera which is equipped with 6.82MP Progressive Scan CMOS image Sensor. 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

- Ambarella platform – Backdoor Issue free
- Sony Starvis (1/2.9") 6.82MP PS CMOS Sensor
- Night Color with super high sensitive sensor
- 5.0~50.0mm Motorized Auto Focus Lens
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 15fps@5MP(2592x1944) or 30fps@4MP(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

Region of Interest (ROI)

Some cameras offer the ability to transmit only a partial region of a sensor, which offers the option of concentrating on image areas containing the information relevant to image processing.

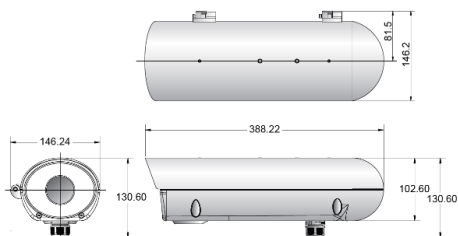
Reducing the size of the image transmitted by the camera reduces the image size and thus the bandwidth required for each image. In configuring an ROI the read out window is reduced to the area relevant for analysis, increasing the image frequency significantly.

NVR using SD card

NVR functions are perfectly implemented at IP camera with various recording modes. Smart search is available through NVRs, PCs and mobile devices.

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Technical Specifications



Camera	
Imaging Sensor	1/2.9" 6.82MP Sony Starvis PS CMOS Sensor
Lens	5.0~50.0mm Motorized Auto Focus
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 Ethernet 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	1 DI/ 1DO, RS485
Illuminator	
Type	4 Power IR LEDs
Distance	Max. 70Meter
Onboard storage	
Type	2 MicroSD Slot (Option)
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App
Video / Audio	
Video Out	1 CVBS
Audio Compression	8bit G.711, 8KHz, 8KByte/sec
Audio stream	2 way
Connection	1 Audio In / 1 Audio Out
General	
Case	Metal
Power Supply	SMPS, DC12V / 3A PoE : IEEE 802.3at (Optional)
Power Consumption	Max. 14.4W
Operating Environment	-20°C ~ +60°C, 10% ~ 90% RH
Dimension	164(W) x 430(D) x 137(H) mm
Weight	About 3000g without Power Supply
Approval	KC, CE, FCC, RoHS, IP66
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite