

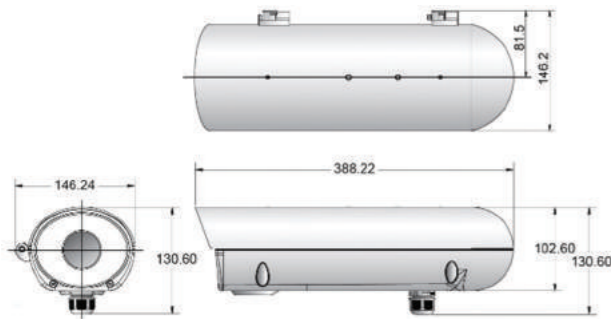
FW9302-TXM

3MP All-in-One Housing



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FW9302-TXM is Outdoor IR All-in-one Motorized IP Camera which is equipped with 3.21MP 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 30fps@3M(2048x1536) in progressive mode.



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• Key Features

- Ambarella platform - Backdoor Issue free
- Sony Starvis (1/2.8") 3.21MP 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. 30fps @ 3MP (2048x1536)
- 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

DOL WDR

DOL WDR stands for digital overlap wide dynamic range, it's the next generation Sensor-based WDR technology exclusively developed by Sony. DOL WDR can provide many advantages such as improved characteristics in low-light environments compared to conventional WDR that uses multiple frame set output. In challenging lighting conditions, DOL-WDR is capable of capturing both dark and bright part then combining the differences into a scene to generate a highly realistic image.

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.

FW9302-TXM

► Technical Specifications

Camera

Imaging Sensor	1/2.8" 3.21MP Sony Starvis PS CMOS Sensor
Lens	5.0~50.0mm Motorized Auto Focus
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05 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	2048x1536, 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Frame rate	30fps/25fps @ 3M
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 Intergration

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

Onboard storage

Type	2 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/CMS/ Mobile App

Illuminator

Type	4 Power IR LEDs
Distance	Max. 50Meter

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
Power Consumption	Max. 14.4W
Operating Environment	-20℃ ~ +60℃, 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