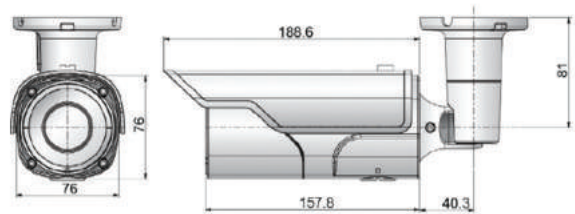


FW7930-HSM

2MP Night Watch Bullet



FW7930-HSM is a supreme sensitivity Outdoor IR Motorized Auto Focus Bullet Camera which has web server and real time operation system. FW7930-HSM supports simultaneous H.265, H.264 and MJPEG Video Compression for less network bandwidth and storage space. FW7930-HSM also delivers high quality video up to 30 fps@1920x1080 in progressive mode while having triple streaming. FW7930-HSM has progressive scan CMOS which produce clearer image under the low light condition than ordinary CMOS, and makes it possible to monitor vivid and crystal clear image at dark environment. It enables color video monitoring in city surveillance where has some light source at night time.



▲
FW7930-HSM
2MP Night Watch Bullet

• Key Features

- Ambarella platform - Backdoor Issue free
- Sony 2.13MP (1/1.9") PS CMOS Sensor
- Night Color with super high sensitive 1/1.8" Sony sensor
- 3.6~11.0mm Motorized Auto Focus Lens
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 30fps @ 2MP (1920x1080)
- Various Back light mode of WDR, BLC, HLC
- OnVIF (Profile S) standard
- Defog and EIS (DIS)
- 2 MicroSD Slot
- TTA approval

• Tech Notes

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.

Audio Broadcasting

By Audio broadcasting function, FlexWATCH NVR can broadcast audio with the mic, on FlexWATCH NVR to multiple speakers at FlexWATCH IP cameras connected in the network. It can broadcast the audio up to 32ch of IP cameras by the any GROUPs at the same time.

► Technical Specifications

Camera	
Imaging Sensor	1/1.9" 2.13MP Sony IMX385 CMOS
Lens	3.6~11.0mm(F1.5) Motorized Auto Focus
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.04 lux, 0.0006 lux (DSS ON), B/W : 0 lux
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 (MIC volume setting) / Disable
Privacy Masking	8 Areas
Video Analytics	Optional (Face Detection, Tampering, Tripwire etc.)
Smart Video	ROI (Region of Interest)
Lens control	Lens type / AF mode / Scanning / Day&Night Auto Focus
AE Metering Mode	Spot / Center / Average / Venter Flip
Shutter Control	Manual / Auto / Flicker
Max AGC Gain	0~10
Sense Up Level	Off / x2 / x4 / x8 / x16 / x32
Back Light Mode	Off / HLC(0~20) / BLC / WDR (Low/ Middle/High)
Brightness (Target Exposure Weight)	0 ~ 20
Image Adjustment	Sharpness, Gamma
White Balance	Auto / Preset / Manual
DNR	Off / Low / Middle / High
Day & Night Control	Auto / Color / B&W / External
Anti-Saturation	0 ~ 20
Image Direction	Mirror(On/Off), Flip(On/Off)
Advanced Image Adjustment	Defog, D-Zoom, D-WDR, Shading, EIS(DIS)
Illuminator	
Type	30 IR LEDs or Optional 4 Power LEDs
Distance	Max. 30Meter (30 IR LEDs) Max. 50Meter (Optional 4 Power LEDs)

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 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	Optional 1 DI/ 1DO
Onboard storage	
Type	Optional 2 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App
Video/Audio	
Video Out	Optional 1 CVBS
Audio Compression	8bit G.711, 8Khz, 8KByte/sec
Audio stream	Optional 2 way
Connection	1 Audio In / 1 Audio Out
General	
Case	Metal
Power Supply	SMPS, DC12V / 3A PoE : IEEE 802.3af, IEEE 802.3at in Power LED Option
Power Consumption	Max. 13.8W
Operating Environment	-20℃ ~ +60℃, 10% ~ 90% RH
Dimension	85 x 280(L) x 80(H) mm
Weight	About 1250g without Power Supply
Approval	KC, CE, FCC, RoHS, TTA, IP67, IK10
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite