

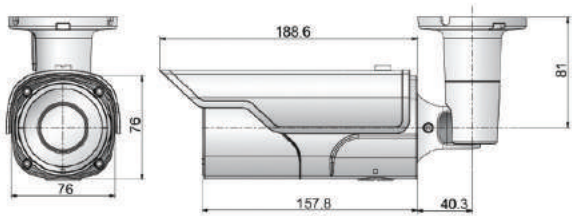
FW7930-HXM

2MP Night Watch Bullet



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FW7930-HXM is a supreme sensitivity Outdoor IR Motorized Auto Focus Bullet Camera which has web server and real time operation system. FW7930-HXM supports simultaneous H.265, H.264 and MJPEG Video Compression for less network bandwidth and storage space. FW7930-HXM also delivers high quality video up to 30 fps@1920x1080 in progressive mode while having triple streaming. FW7930-HXM 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.



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• Key Features

- Ambarella platform - Backdoor Issue free
- Sony 2.42MP (1/1.9") PS CMOS Sensor
- Night Color with super high sensitive 1/1.9" Sony sensor
- 3.6~11.0mm Motorized Auto Focus Lens
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 30fps @ 2MP (1920x1080)
- DOL WDR (>120dB)
- Active image mode switching by Day, Night or DI/Motion
- 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

NIR is a **region** of the electromagnetic spectrum that has unique properties which make it very useful for characterizing materials. The **NIR region** is from 700 to 2500 nm. FlexWATCH IP cameras has the best image quality in NIR region by using Sony up to date sensor.

Management white list

A whitelist is a list of items that are granted access to a certain system or protocol. When a whitelist is used, all entities are denied access, except those included in the whitelist. ... A network administrator may configure a firewall with a whitelist that only allows specific IP addresses to access the IP camera or NVRs.

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► Technical Specifications

Camera

Imaging Sensor	1/1.9" 2.42MP Sony PS CMOS sensor
Lens	3.6~11.0mm Motorized Auto Focus
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.04 lux, 0.0006 lux (DSS ON), B/W : 0 lux (IR LED 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 (sensitive setting) / Disable
Privacy Masking	8 Areas
Video Analytics	Optional (Face Detection, Tampering, Tripwire etc.)
Smart Video	ROI (Region of Interest)
Exposure mode	Indoor / Outdoor
AE Metering Mode	Spot / Center / Average / Center 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)
Shutter Time Min./Max.	1/30 ~ 32,000
Four Active Image mode switching	Default(Day) / Night / DI / Motion
Three Color Mode	Default / Standard / Vivid
Image Flip	Vertical Flip / Horizontal Flip (Enable / Disable)
Corridor Mode	Enable / Disable

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

Illuminator

Type	4 Power LEDs
Distance	Max. 50Meter

Onboard storage

Type	MicroSD
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
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, IP67, IK10
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite