FW7930-TXM-LPR

3MP Motorized Bullet

FW7930-TXM-LPR is a high quality Bullet type IP camera which is equipped with 3.21MP 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 30fps@3MP in progressive mode.

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

• Night Color level adjustment

• 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

NVR using SD card

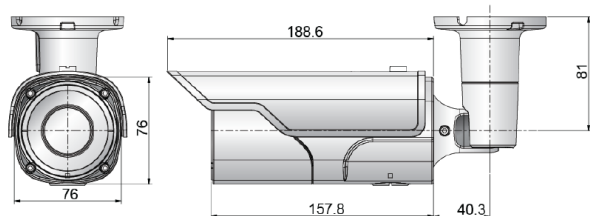NVR functions are perfectly implemented at IP camera with various recording modes. Smart search is available through NVRs, PCs and mobile devices.

NIR

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.

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Technical Specifications

Camera	
Image Sensor	1/2.8" 3.21MP Sony Starvis PS CMOS
Lens	5.0~50.0mm Motorized Auto Focus
Day & Night	True Day & Night (ICR)
Min. Illumination	Color : 0.05lux, B&W : 0 lux (IR On)
IR illumination	50m, 4ea. 750nm IR hi-power LED
LPR operation	Distance 5~15m, speed 0 ~ 80km/h

Video Stream	
System	Ambarella 32bit Embedded Linux 256Mbyte SDRAM, 128Mbyte NAND Flash
Compression	H.265, H.264, M-JPEG, JPEG
Video Stream	Quadruple Streaming
Resolution	2048x1536, 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96
Max. Frame rate	Max. 30fps/25fps @ 3MP
Bit Rate Control	VBR/AVBR/CBR/ACBR, GOP

Video Setting	
Exposure Control Mode	Day, Night, Motion detection, Digital input
Lens type	ELC / ALC
Auto Exposure Weight	25 ~ 400
AE Metering	Spot/ Average/ Center/ Center flip
Shutter Mode	Auto / Manual / Flicker
Electronic Shutter	Minimum/ Maximum, 1/25~1/32,000s
Sens Up	Off / x1 / x2
AGC	0 ~ 72
Back Light Mode	BLC, DOL WDR (> 120dB)
Day-Night Mode	Color/ B&W/ Auto Night B&W, Auto Night Color (5 steps)
White Balance	Auto / Incandescent/ Fluorescent/ Underwater/ Cloudy/ Flash/ etc.
Digital Noise Reduction	3 DNR
Image Adjustment	Brightness, Contrast, Sharpness, Hue, Saturation
Image Direction	Vertical flip, Horizontal flip, Corridor
D-WDR	0 ~ 128
Color Mode	Default / Standard/ Vivid
Text OSD	9 lines, settable size, color, position, etc.
Smart Video	ROI (Region of Interest) 8 areas
Privacy Masking	8 Areas

Analytics	
Motion Detection	4 areas
Object Detection	-
Video Analytic	-

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 (option), DHCP, NTP, SMTP client, uPnP, ZeroConf
DDNS	www.ipcctvdns.com
Interface	RJ45 Ethernet 10/100Mbps

Cybersecurity	
Asymmetric Encryption Algorithm	RSA 2048 bits
Digital Signature Algorithm	RSA 2048 bits
Symmetric Encryption Algorithm	AES-128, AES-256
Cryptographic Hash Functions	SHA-256, MD5
Token Authentication Code	SHA-256, MD5
Key Exchange Protocols	RSA Key Exchange
Certificate	X.509

System Integration	
Application Programing Interface	SDK, ONVIF Profile S
Event Condition	Motion detection, audio detection, external digital input, external input data, SD card error
Event Action	Pre-alarm & Post-alarm buffer Image upload: FTP (periodic, buffer) Notification: email, HTTP, TCP, UDP External digital output

Peripheral & Auxiliary I/O	
Onboard Recording	MicroSD card slot, support up to 1TB
Audio	Line in, line out Audio compression: G.711-ulaw, Sampling rate 8KHz, 16bit, Mono Audio streaming: 2-way
External alarm	1 digital input, 1 digital output (NO/NC)
Serial interface	1 RS485
Video out	CVBS (SD analog)

Software	
Web Browser	IE, Chrome, Edge
Mobile Viewer	iOS, Android
CMS	Smart Multi Viewer and Player
NVR	SmartNVR (up to 9 channels free license)
Device manager	IP Installer

General	
Case/ Color	Metal/ Beige
Power Supply	DC12V / 3A PoE : IEEE 802.3at
Power Consumption	Max. 7.8W
Operating Environment	-20℃ ~ +60℃, 10% ~ 90% RH
Dimension	85φ x 280(L) x 80(H) mm
Weight	About 1250g without Power Supply
Protection	IP67
Certifications	KC, CE, FCC, RoHS
Included Accessories	Sunshield, waterproof RJ45 connector cap, hexagon key L-wrench

Notes :

* Specifications are subject to change without notice for product improvement.

* IR illumination's range is dependent on the scene.