

FW8706-FNP is a high quality PTZ IP camera which is equipped with 2MP(effective pixel) Progressive Scan CMOS image Sensor. With the highest sensitivity 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 30 fps@Full HD(1920X1080) in progressive mode.

## Key Features

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- Ambarella platform – Backdoor Issue free
- Sony 1/3" 2M PS CMOS sensor
- Optical 30x zoom, Digital 32x zoom
- True Day & Night with Mechanical IR Cut filter
- 255 Preset (Max. 512 preset with internal menu set)
- Programmable preset moving by schedule (Built-in RTC)
- Shock Detection Sensor
- Nominate North direction and display
- Pan angle display from zero position
- Pan / Tilt self-refresh correction



## Tech Notes

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### Schedule Pan Tilt Zoom

Built-in Real Time Clock enables the scheduling of Pan Tilt Zoom functions including independent exposure settings for each preset.

### Nominal North direction

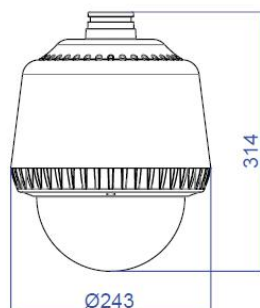
User can set the North direction of camera so it displays the cardinal directions while moving.

### Text OSD

User can set 9 set of text strings to display direction of the camera or location of the camera. Each string can be extended up to 24 alphanumeric characters. When PTZ moves to the pre-set PAN angle up to 8, it automatically displays the text string set on the PAN angle like "to Las Vegas" or "-> Los Angeles"

# FW8706-FNP

# Technical Specifications



Camera	
Imaging Sensor	1/3" Sony 2MP CMOS
Lens	Optical 30x (Digital 32x) f=4.3~129.0mm (F1.5~F4.8)
Day & Night	True Day & Night (ICR)
Min. Illumination	0.002lux (DSS On)
S/N ratio	50dB
Pan Tilt Zoom	Pan : 360 ° Endless / Tilt : ~90 ° Optical Zoom 30x, Digital Zoom 32x (Total 960x) 255 Presets, 8 Patterns, 8 Group, 1 Tour Auto flip, Auto parking, Power-up action. 1 °~360 ° Pan Angle Display
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	
Focus control	Auto/Semi Auto/Interval/Manual
Exposure control	Shutter: Auto / Priority / Shut. Priority / Manual (1/30s(25s) ~ 1/30,000s); Brightness; Backlight (BLC, Realtime WDR); Flickless; Iris; DSS; AGC
Day & Night	Day/ Night/ Ext, Day <-> Night Threshold
White Balance	Auto/Indoor/Outdoor/Manual
Image Setting	Gamma, sharpness, noise reduction (3DNR), De-Fog, DIS, ACE, HLC, privacy, mirror
Text OSD	Max. 9 lines
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	
Programming 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	-
Distance	-
Onboard storage	
Type	1 MicroSD Slot
Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App
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, AC24V / 2A, 60Hz
Power Consumption	Max. 30W
Operating Environment	-42°C ~ +70°C, ~90% RH
Fan, Heater	1 FAN, 1 Heater
Dimension	243Ø x 314(H) mm
Weight	About 3000g without Power Supply
Approval	KC, CE, FCC, RoHS, IP66
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite