

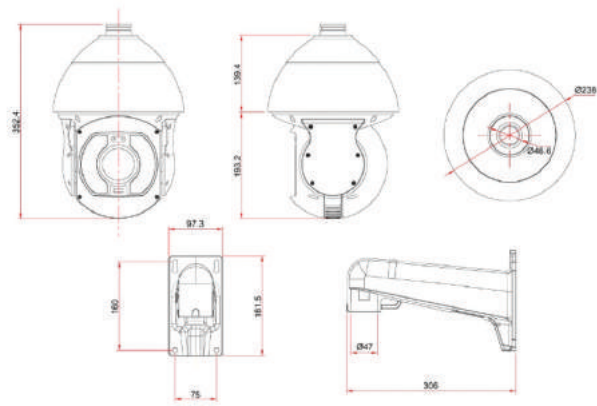
FW8709-FNR

2MP Laser and IR Speed Dome



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FW8709-FNR is a high quality Laser and IR PTZ IP camera which is equipped with 2.42MP(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 30fps@2M (1920X1080) in progressive mode.



FW8709-FNR
2MP Laser and IR Speed Dome

• Key Features

- Ambarella platform - Backdoor Issue free
- Sony 1/1.9" 2.42MP PS CMOS sensor
- Super high sensitivity
- Optical 36x zoom, Digital 32x zoom
- Optional Optical 30x (f6.0~180mm), Digital 32x zoom
- 4 steps zoom proportional IR LED working up to 400m
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 30fps @ 2MP (1920x1080)
- Built-in FAN/HEATER
- OnVIF (Profile S) standard
- TTA Approval

• Tech Notes

Intelligent Varifocal IR LED control: IR PTZ

The IR beam automatically adapts becoming wider or narrower as the camera zooms in or out.

Schedule Pan Tilt Zoom

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

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"

FW8709-FNR

► Technical Specifications

Camera

Imaging Sensor	1/1.9" Sony 2.42MP CMOS
Lens	Optical 36x (Digital 32x) f=6.0~216.0mm (F1.5~F4.8) FOV(H) : 56.5 ° ~ 2.12 °
Day & Night	True Day & Night (ICR)
Min. Illumination	Color 1/30s : 0.01 lux, B&W 1/30s : 0.05 lux Color DSS on : 0.001 lux, B&W : 0.0002 lux
Pan Tilt Zoom	Pan : 360 ° Endless Tilt : -10 ° ~92 ° Optical Zoom 36x, Digital Zoom 32x (Total 1152x) 250 Presets, 1 Patterns, 12 Group, 1 Tour, Auto flip, Auto parking, Power-up action, Text display by 9 Pan angles.

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

Illuminator

Type	4 Laser LEDs and 10 Power LEDs
Distance	Max. 400Meter

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	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 / 3A
Power Consumption	Max. 42W
Operating Environment	-35°C ~ +60°C, 10% ~ 90% RH
Dimension	238(W) x 341(H) mm
Weight	About 5000g without Power Supply
Approval	KC, CE, FCC, RoHS, IK10, IP66, TTA
Accessories	-
Bundle Software	IP Installer, SMVP, Smart NVR Lite