

# FW9707-FNR

## 2MP IR Speed Dome AI Camera

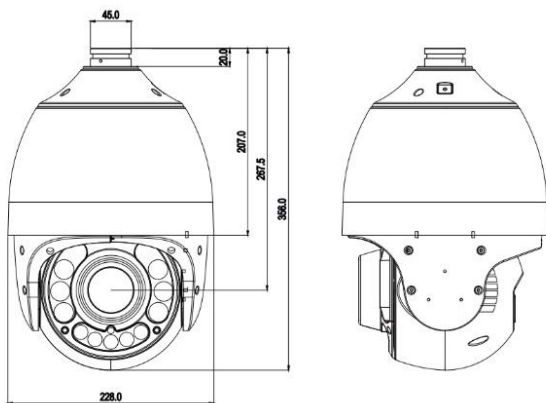
FW9707-FNR is a high quality IR PTZ IP camera that utilizes AI to detect and classify people, vehicles, faces, license plates and more in real-time. The cameras' deep-learning algorithms can reliably identify multiple distinct objects. Reduce false alarms due to none interesting motion, like wind-blown trees, shadows, or animals. Analytics become a reliable second pair of eyes to operators helping them know where to look for important real-time events, while making post-event forensic searches highly efficient.

### Key Features

- Analytics events based on AI engine: Person/ Vehicle - car, truck, bus, bicycle, motorcycle/License plate detection
- Ambarella platform – Backdoor Issue free
- Panasonic 1/3" 2.48MP PS CMOS sensor
- Optical 30x zoom, Digital 32x zoom
- 4 steps zoom proportional IR LED working up to 300m
- Quadruple Stream (H.265, H.264, M-JPEG, JPEG)
- Max. 30fps @ 2MP (1920x1080)
- Built-in FAN/HEATER
- OnVIF (Profile S) standard



### Dimensions



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## Technical Specifications

<b>Camera</b>	
Imaging Sensor	1/1.3" Panasonic 2.48MP CMOS
Lens	Optical 30x (Digital 32x) f-4.3~129.0mm (F1.6~F4.7) FOV(H) : 65.1~2.34 degrees (Option : Optical 40X 4.25~170.0mm, digital 32x)
Day & Night	True Day & Night (ICR)
Min. Illumination	Color 1/30s : 0.05 lux, B&W 1/30s : 0.005 lux Color DSS on : 0.002 lux, B&W : 0.0001 lux
Pan Tilt Zoom	Pan : 360 ° Endless Tilt : -10 °~190 ° Optical Zoom 30x, Digital Zoom 32x (Total 960x) 255 Presets, 8 Group, 8 Tour, 8 Swing. Auto flip, Auto parking, Power-up action. Text display by 9 Pan angles.
<b>Video Stream</b>	
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
<b>Video Setting</b>	
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
Privacy Masking	Max. 24
Image Setting	Gamma, sharpness, noise reduction (3DNR), De-Fog, DIS, ACE, HLC, privacy, mirror
Text OSD	Max. 9 lines
<b>Network</b>	
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
<b>System Integration</b>	
Programming Interface	SDK, OnVIF Profile S
Video Analytic	Person/Face/Vehicle(car/bus/truck/motorcycle/bicycle)/License plate), IVA (Virtual line/Area, Enter/Exit, Loitering, direction, Appear/Disappear, intrusion
Triggering Event	Video analytic events, motion detection, triggering DI, triggering serial input, connected/ disconnected, boot finished
Action on Event	Pre-alarm & Post-alarm buffer. Upload FTP, Email notification, Metadata including information (person, face, vehicle, license plate)
Connection	4 DI/ 2DO, RS485
<b>Illuminator</b>	
Type	13EA Power IR LEDs (Variable angle and distance)
Distance	Max. 300Meter
<b>Onboard storage</b>	
Type	1 MicroSD Slot

Recording	Always, Schedule, Event, Schedule & Event
Playback	Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App
<b>Audio</b>	
Compression	8bit G.711, 8Khz, 8KByte/sec
Audio stream	2 way
Connection	1 Audio In / 1 Audio Out
<b>General</b>	
Case	Metal
Power Supply	AC to AC Adapter, Output : AC24V / 3A PoE : Optional (60W)
Power Consumption	Max. 42W
Operating Environment	-35°C ~ +60°C, 10% ~ 90% RH
Dimension	228φ x 356(H)mm
Weight	About 6,000g without Bracket & Adapter
Approval	KC, FCC, IK10, IP66
Accessories	Wall Bracket
Bundle Software	IP Installer, SMVP, Smart NVR Lite