

FW9707-FNR

2M High Speed Dome Camera

FlexWATCH FW9707-FNR PTZ network camera offers HDTV 1080p and 20x optical zoom for great overviews and excellent details. This high-performance outdoor PTZ is integrated, automatically adaptable IR LED illumination enables surveillance in total darkness up to 200 m. The camera provides full scene fidelity and sharp images, supports simultaneous H.265, H.264 and MJPEG video compression, less network bandwidth and storage space required. Enhanced security features of FW9707- meet all criteria of TTA.

Key Features

- Ambarella Platform - Backdoor Issue Free
- 1/2.8" 2.37M Progressive Scan CMOS sensor
- Optical 20x Zoom f=5.2~104mm
- Quadruple stream
- ROI – Region of Interest
- Optional video analytics
- Text OSD
- NVR using SD card
- Intelligent Varifocal IR LED control
- Schedule Pan Tilt Zoom
- Nominal North direction



Tech Notes

ROI – Region of Interest

More bits are used to code the regions of interest, and fewer bits are used to code the background, enables maintain good quality image of the targets, while dramatically reducing bandwidth and storage requirements.

NVR using SD card

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

Intelligent Varifocal IR LED control

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

Schedule Pan Tilt Zoom

Built-in Real Time Clock enables schedule 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.

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| Camera | |
|-------------------|---|
| Imaging sensor | 1/2.8" 2.37 mega pixel CMOS |
| Min. illumination | Color: 0.001 lux ; B&W: 0 lux (IR) |
| S/N ratio | > 50dB (AGC Off) |
| Lens | True Day & Night (ICR), Optical 30X f=5.2~104mm, F1.5 (Wide) ~ 3.5 (Tele) H-FOV: 56.4° (Wide) ~ 3.1° (Tele) |
| Pan Tilt Zoom | Pan 360° endless, Tilt: -20°~90°, speed max. 240°/s, Auto flip, 255 Preset (independent exposure settings), 10 Swing, 8 Pattern, 8 Group, 8 Schedules using built-in RTC, nominal North direction and display cardinal directions, home parking, Power-up action, proportional zoom, Privacy zones with PTZ's coordination. |
| Illuminator | 1 Motorized zoom + 1 Mini IR LED, density proportional to zoom, range to 200m (dependent on circumstance) |
| Video Stream | |
| System | Ambarella 32bit Embedded Linux, 256Mbyte SDRAM, 128Mbyte NAND Flash |
| Compression | H.265, H.264, MJPEG, JPEG |
| Resolution | 1920x1080, 1280x720, 704x480, 640x352, 320x176, 160x96 |
| Frame rate | Max. 60fps/ 30fps @ Full HD |
| Video stream | 4 stream, selectable: H.265/H.264/ MJPEG, frame rate, bitrate, VBR/ AVBR/ CBR/ ACBR, GOP |
| Smart video | Motion detection (4 areas), Region of Interest (ROI) |
| Video Analytic | Tripwire, Tampering, Face Detection (optional) |
| Video setting | |
| Focus control | Auto/One Push/Manual |
| Exposure control | Shutter: Auto / Priority / Shut. Priority / Manual (1/30s(25s) ~ 1/30,000s), Brightness, Flickless, Iris, DSS, AGC |
| Backlight setting | BLC (size, position), HLC, Dual exposure WDR |
| Day & Night | Day/ Night/ Ext, Threshold setting |
| White Balance | Auto/One push/Manual/Indoor/Outdoor |
| 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, Zeroconf |
| DDNS | www.ipcctvdns.com |
| Interface | RJ45 Ethernet 10/100Mbps |
| System Integration | |
| Programing interface | SDK, ONVIF Profile S |
| 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, CGI command |
| Add-on services | Add-on services: Aloha, POSiTouch, Radiant, Retailpro, SPPS, Squirrel, StoreNext, String, TollLoad, Wand, Xpient, iOmni |
| Audio interface | 1 Audio In/ 1 Audio Out, 2-way communication |
| Other interfaces | 1 DI/ 1DO, RS485, BNC |
| Onboard Storage | |
| Type | 1 MicroSD slot |
| Recording | Always, Schedule, Event, Schedule & Event |
| Playback | Internet Explorer, FlexWATCH NVR/ CMS/ Mobile App |
| General | |
| Case | Aluminum |
| Power Supply | DC12V max. 43W |
| Operating Environment | -20°C ~ 60°C, 10% ~ 90% RH |
| Dimension | 172Ø x 260(L) x 262.7(H) mm |
| Weight | ~ 2200gr |
| Approval | KC/FCC/CE, RoHS, IP66 |
| Bundle software | IP Installer, SMVP, SmartNVR Lite 16ch |
| Included accessories | SMPS adapter, CD of documentation and software, Quick guide sheet |