

## F3102/ F3107 720p Megapixel Compact IP Camera



- Megapixel 720P HD resolution
- Multiple H.264, Motion JPEG and MPEG-4 video streams
- MicroSD card slot
- Power over Ethernet (F3102)
- Wireless 802.11b/g/n with WPS (F3107)

- Megapixel CMOS image sensor
- HD 720p (1280 x 720p)
- 30 fps @ 1280 x 720
- 4.0mm, F1.8 megapixel fixed lens
- Built-in microphone and speaker for two-way audio detection
- MicroSD card slot
- Power over Ethernet (IEEE 802.3af) (F3102)
- Wireless 802.11b/g/n with WPS (F3107)
- 1 x alarm input, 1 x alarm output
- SSL v3 advanced HTTPS encryption
- Free bundle 32ch CamGraba NVR software
- Free CamZaview mobile app for Android and iOS
- Free bundle CamZaview mobile app

## Technical Specifications

Camera	
<b>Models</b>	F3102/ F3107 720p compact IP camera
<b>Image sensor</b>	1/4" progressive scan megapixel CMOS sensor
<b>Lens</b>	F1.8 fixed lens , 4.0 mm
<b>Angle of view</b>	33° vertical, 53° horizontal, 62° diagonal
<b>Digital zoom</b>	10x digital
<b>Min illumination</b>	0.2 lux at F1.8
<b>Shutter time</b>	1/15 ~ 1/24,000 sec
Video	
<b>Video compression</b>	Motion JPEG MPEG-4 part 2 (ISO/IEC 14496-2) simple profile H.264 baseline profile
<b>Resolutions</b>	Motion JPEG: 4 resolutions from 1280 x 720 to 320 x 240 via API, 4 selections via configuration web page MPEG-4: 4 resolutions from 1280 x 720 to 320 x 240 via API, 4 selections via configuration web page H.264: 4 resolutions from 1280 x 720 to 320 x 240 via API, 4 selections via configuration web page
<b>Frame rate</b>	Motion JPEG: up to 30 fps at 1280 x 720 MPEG-4: up to 30 fps at 1280 x 720 H.264: up to 30 fps at 1280 x 720
<b>Video streaming</b>	Simultaneous Motion JPEG, MPEG-4, H.264 and 3GPP (4 streams) Controllable frame rate and bandwidth Support unicast and multicast Support 3GPP/ ISMA RTSP (Real Time Streaming Protocol)
<b>Image settings</b>	Brightness, contrast, saturation WDR enhanced Rotation: mirror, flip, mirror flip Overlay capabilities: time, date, text and privacy Image
Audio	
<b>Audio streaming</b>	Two-way (full duplex)
<b>Audio compression</b>	G.711 μ law, a law, AMR
Network	
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<b>Supported protocols</b>	Bonjour, TCP/ IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP,UDP, 3GPP/ ISMA RTSP
<b>Users</b>	10 simultaneous users Unlimited number of users using multicast
<b>Wireless encryption</b>	IEEE 802. 11b/g/n with WPS (F3107)
Alarm and Event Support	
<b>Alarm input/output</b>	Alarm input 5V DC
<b>Alarm and event management</b>	Input: alarm buffer, motion detection, audio detection Output: network storage, FTP, SMTP, pre-and post alarm buffer
System	
<b>Connectors</b>	RJ-45 Ethernet 10/ 100 Base-T DC power Jack Reset & WPS button (F3107) Terminal blocks for 1 alarm input, 1 output
<b>Local storage</b>	MicroSD card slot

General	
<b>Casing</b>	PC+ABS casing
<b>Power</b>	5V DC, 1A, Max 5W
<b>Operating conditions</b>	0 ~ 50 °C (32 ~ 122 °F)
<b>Installation, management, and maintenance</b>	ZAVIO camera management tool on CD and web-based configuration. Configuration of backup and restore firmware upgrades over HTTP, firmware available at www.zavio.com
<b>Minimum web browsing requirement</b>	Pentium 4 2.8GHz (or equivalent AMD) 256MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Window 2000, 2003, XP, Vista or Windows 7 Mac OS Leopard 10.5 or later
<b>Dimensions (HxWxD)</b>	96.7 x 65.7 x 25 mm (3.77"x 2.56"x 0.97")
<b>Weight</b>	116.5g (0.31lb) excl. power supply
<b>Included accessories</b>	Quick Installation Guide, CD (IP Surveillance Software, Intelligent IP Installer, User Manuals, and Language Pack), mounting and connector kits, power supply 5V DC
<b>Certification</b>	CE, FCC, RoHS

Integration	
<b>Video management software</b>	IP Installer & Video management software-- ZAVIO CamGraba for viewing, recording and archiving up to 32 cameras Android, iOS app—CamZaview supported

