

# F312A Wireless IP Camera



- ▶ Progressive scan
- ▶ Simultaneous MPEG-4 and Motion JPEG
- ▶ 6 LED Illuminators
- ▶ Wireless IEEE 802.11b/g

- Progressive scan CMOS
- Simultaneous MPEG-4 and Motion JPEG
- 30 frames per second in all resolutions
- Excellent low-light performance with enhanced night mode
- 6 LED Illuminators
- Two-way audio with built-in microphone
- Wireless 802.11b/g
- Two-way audio with built-in microphone
- SSL v3 advanced HTTPS encryption
- WEP, WPA, WPA2 advanced wireless security
- 3GPP mobile surveillance
- Easy access via Windows Live Messenger
- Multi-lingual user interface
- 16 channel surveillance software

**ZAVIG**

## Technical Specifications

<b>Models</b>	F312A
<b>Image sensor</b>	1/4" Progressive scan CMOS sensor
<b>Lens</b>	F2.0, 4.0 mm
<b>Angle of view</b>	49° horizontal
<b>Digital Zoom</b>	10x digital
<b>Min Illumination</b>	0 Lux at F2.0 with Night-vision LEDs on
<b>IR working distance</b>	5 M
<b>Day/Night function</b>	6 White LEDs
<b>S/N Ratio</b>	50dB
<b>Video Compression</b>	Motion JPEG
<b>Resolutions</b>	MPEG-4 Part2 (ISO/IEC 14496-2), Profile: SP Motion JPEG: 3 resolutions from 640x480 to 160x120 via API, 3 resolutions via configuration web page MPEG-4: 3 resolutions from 640x480 to 160x120 via API, 3 resolutions via configuration web page
<b>Frame rate</b>	Motion JPEG: Up to 15 fps at 640x480 (4:3 resolution) MPEG-4: Up to 30 fps at 640x480 (4:3 resolution)
<b>Video streaming</b>	Simultaneous Motion JPEG and MPEG-4 (Dual streaming) Controllable Frame rate and bandwidth Support Unicast and Multicast Support 3GPP/ISMA RTSP (Real Time Streaming Protocol)
<b>Image settings</b>	Rotation: Mirror, Flip, Mirror Flip brightness, contrast, saturation, hue Overlay capabilities: time, date, text and privacy image
<b>Shutter time</b>	1/7.5 ~ 1/120 sec.
<b>Audio</b>	Two-way (full duplex) Audio compression: G.711 PCM, 8kHz, 64 kbit/s
<b>Wireless Encryption</b>	IEEE 802. 11b/g
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption WEP 64/128 bit, WPA/WPA2-PSK
<b>Users</b>	5 simultaneous users Unlimited number of users using multicast
<b>Instant Messenger</b>	Support MSN Live View

<b>Alarm and event management</b>	Input: alarm buffer, alarm input, motion detection Output: FTP, SMTP, HTTP event Pre-and post alarm buffer
<b>Connectors</b>	RJ-45 for Ethernet 10/100 Base-T DC power jack Reset push switch 3.5 mm jack for line out
<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 <a href="http://www.zavio.com">www.zavio.com</a>
<b>Minimum web browsing requirement</b>	Pentium 4 1.8GHz (or equivalent AMD) 64 MB RAM graphic cards (or equivalent on-board graphic cards) 512 MB RAM Windows 98, ME, 2000, 2003, XP, Vista Mac OS Leopard 10.5
<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>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>Video management software</b>	ZAVIO Intelligent IP Installer_ Video management software, for viewing, recording and archiving up to 16 cameras See <a href="http://www.zavio.com/support.htm">http://www.zavio.com/support.htm</a> for more software application
<b>Approvals</b>	CE, FCC, RoHS
<b>Dimensions (HxWxD) and weight</b>	104 x 63 x 35 mm (4.1" x 2.5" x 1.4") 116.5 g (0.3 lb) excl. power supply

## Physical Description

