

# F610A CCD IP Camera

F610A is equipped with a sharp middle-resolution CCD sensor. It is entry level of ZAVIO box IP camera. F610A IP Cameras offer a cost-effective, IP-based solution for professional security surveillance and remote monitoring, which make them an ideal choice for securing offices, shops and other indoor and outdoor facilities.



## **De-interlaced video image**

F610A box IP camera deliver ordinary quality, de-interlaced, digital video streams that are sent over an IP network.

## **Simultaneous MPEG-4 and Motion JPEG**

MPEG-4 and Motion JPEG streams can be sent simultaneously from each channel at 30fps in all resolution. This allows users to have different viewing and recording settings that are optimized for image quality and efficient bandwidth/storage use.

## **Video motion detection**

F610A provide powerful event management functions including pre/post alarm image buffering. Events can be triggered for example by video motion detection and external input devices, and responses can include image upload, alarm notifications and activation of external devices such as lights, doors or alarms.

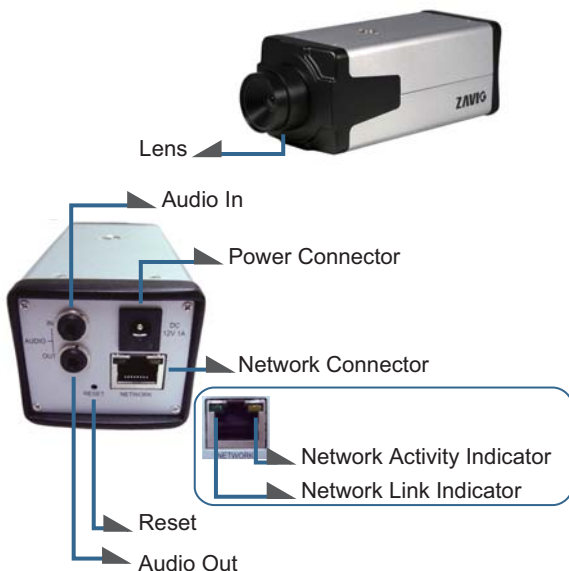
## **Most cost-effective**

F610A is the mid-end version of F611E to meet various market demands.

# Technical Specifications

Models	F610A(NTSC), F610A(PAL)	Alarm and event management	Events triggered by video motion detection external input or according to a schedule Image upload over FTP, email and HTTP Notification over TCP, email, HTTP pre- and post alarm buffer
Image sensor	1/3" Sharp CCD sensor, 420TVL AGC, AES, AWB	Connectors	RJ-45 for Ethernet 10/100 Base-T (with PoE) DC power jack Reset push switch 3.5mm jack for Mic/Line in, 3.5 mm jack for line out
Lens	F1.8, 6.0mm CS-Mount lens	Casing	Aluminum casing
Angle of view	53° diagonal	Memory	RAM: 64MB, Flash: 8MB
Digital zoom	10x digital	Power	12V DC, 1A, Max 5W
Min Illumination	0.1 Lux	Operating conditions	0-50°C (32-122°F)
S / N Ratio	More than 48dB (AGC off)	Installation, management and maintenance	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>
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profile: SP	Minimum web browsing requirements	Pentium 4 1.8GHz (or equivalent AMD) 64MB RAM graphic cards (or equivalent on-board graphic cards) 512MB RAM Windows 98, ME, 2000, 2003, XP, Vista Mac OS Leopard 10.5
Resolutions	Motion JPEG, MPEG-4: 3 resolutions from 704x480 to 176x120 via API (NTSC) 3 resolutions from 704x576 to 176x144 via API (PAL) 2 selections via configuration web page	Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP
Frame rate	Up to 30 fps at 704x480 (NTSC) Up to 25 fps at 704x576 (PAL)	Included accessories	Quick Installation Guide, CD (IP Surveillance Software, Intelligent IP Installer, User Manuals and Language Pack) mounting and connector kits, power supply 12V DC
Video streaming	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)	Video management software	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 applications
Image settings	brightness, contrast, saturation, hue Overlay capabilities: time, date, text and privacy image	Approvals	CE, FCC, RoHS
Shutter time	1/60 (1/50) to 1/100,000 sec.	Dimensions (HxWxD) and weight	123 x 55 x 49 (4.8" x 2.1" x 2") 374.5g (15oz) excl. power supply
Audio	Two-way (full duplex) External microphone input or line input Audio compression: G.711 PCM, 8 kHz, 64 kbit/s		
Security	Multiple user access levels with password protection, HTTPS encryption		
Users	5 simultaneous users Unlimited number of users using multicast		

## Physical Description



## Basic Connection

