

# F511E/F511W Day/Night Box IP Camera

The F511E/F511W is a full featured, yet cost-effective all-round IP solution for professional security surveillance and remote monitoring, which makes it an ideal choice for securing offices, shops and other indoor facilities.



## **Day/Night function with IR LED and removable IR cut filter**

The F511E/F511W is a true day/night IP solution equipped with an automatic removable mechanical IR cut filter and Infrared LEDs with an effective range of over 15 meters.

## **Superior Image Quality**

The F511E/F511W is equipped with a high- sensitivity progressive scan CMOS sensor and delivers crystal clear images at 30 frames per second in VGA resolution. MPEG-4 and Motion JPEG video streams can be sent simultaneously to optimize for image quality and efficient bandwidth/ storage use.

## **Flexible installation with PoE or Wireless capability**

For optimal installation flexibility, F511E offers a wired Ethernet connection supporting Power over Ethernet, whereas the F511W offers wireless IEEE 802.11b/g connectivity including WEP, WPA and WPA2 Wi-Fi protected access.

## **Easy Access through Windows Live Messenger**

The embedded Windows Live Messenger client enables users to easily connect to the camera and view high quality video with Windows Live Messenger on their PC or Laptop anytime anywhere in the world. (Patent Pending)

# Technical Specifications

Models	F511E, F511W	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 and external output pre- and post alarm buffer (F511E)
Wireless	IEEE 802.11b/g(F511W)	Connectors	RJ-45 for Ethernet 10/100 Base-T DC power jack Terminal blocks for 1 alarm input, 1 output Reset push switch 3.5mm jack for Mic/Line in, 3.5mm jack for line out
Image sensor	1/4" Progressive scan CMOS sensor	Casing	PC+ABS casing
Lens	F2.0, 4.0mm CS-Mount lens	Memory	RAM: 64MB, Flash: 8MB
Angle of view	59° diagonal	Power	12V DC, 1A, Max 5W PoE Built-in IEEE 802.3af (F511E)
Digital zoom	10x digital	Operating conditions	0~50°C (32~122°F)
Min Illumination	0.5Lux	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>
IR working distance	10m	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
IR LEDs	5φ IR LEDs x 12 (850nm)	Supported protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMARTSP
Day/Night function	Mechanical IR cut filter	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
S / N Ratio	50dB	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
Video compression	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profile: SP	Approvals	CE, FCC, RoHS
Resolutions	Motion JPEG: 3 resolutions from 640x480 to 160x120 via API, 3 selections via configuration web page MPEG-4: 3 resolutions from 640x480 to 160x120 via API, 3 selections via configuration web page	Dimensions (HxWxD) and weight	128 x 71 x 42mm (5" x 2.8" x 1.6") 77.4g (3.1oz) excl. power supply
Frame rate	Motion JPEG: Up to 15 fps at 640x480 (4:3 resolutions) MPEG-4: Up to 30 fps at 640x480 (4:3 resolutions)		
Video streaming	Simultaneous Motion JPEG and MPEG-4 (Dual streaming) Controllable Frame rate and bandwidth, Support Unicast and Multicast Support 3GPP/ISMARTSP (Real Time Streaming Protocol)		
Image settings	Rotation: Mirror, Flip, Mirror Flip brightness, contrast, saturation, hue Overlay capabilities: time, date, text and privacy image		
Shutter time	1/60 to 1/30000 sec.		
Audio	Two-way (full duplex) External microphone input or line input Audio compression: G.711 PCM, 8 kHz, 64 kbit/s		
Instant Messenger	Support MSN Live View (MSN 7.0, 7.5, 8.0)		
Wireless Encryption	WPA-WPA2-PSK, WPA-WPA2-AES, WEP		
Security	Multiple user access levels with password protection, HTTPS encryption		
Users	5 simultaneous users Unlimited number of users using multicast		
Alarm Input/Output	Alarm input 5V/12V DC Alarm output Max 30W		

## Basic Connection

