

## M510E/M510W Pan/Tilt IP Camera



- ▶ Progressive scan
- ▶ Simultaneous MPEG-4 and Motion JPEG
- ▶ Power over Ethernet (M510E)
- ▶ Wireless (M510W)

- Progressive scan CMOS
- Simultaneous MPEG-4 and Motion JPEG
- 30 frames per second in all resolutions
- Excellent low-light performance with enhanced night mode
- Motorized wide-range pan and tilt
- 32 preset positions, 4 patrol sets
- Two-way audio and built-in microphone
- Power over Ethernet IEEE 802.3af (M510E)
- Wireless 802.11b/g (M510W)
- 1 x alarm input, 1 x alarm output
- SSL v3 advanced HTTPS encryption
- WEP, WPA, WPA2 advanced wireless security (M510W)
- 3GPP mobile surveillance
- Easy access via Windows Live Messenger
- Multi-lingual user interface
- 16 channel surveillance software

**ZAVIG**

## Technical Specifications

<b>Models</b>	M510E, M510W
<b>Image sensor</b>	1/4" Progressive scan CMOS sensor
<b>Lens</b>	F2.0, 4.0 mm
<b>Angle of view</b>	53° diagonal
<b>Digital Zoom</b>	10x digital
<b>Min Illumination</b>	0.5 Lux
<b>Pan/Tilt</b>	354° pan range, 60°/sec pan speed 125° tilt range, 80°/sec tilt speed
<b>S/N Ratio</b>	50dB
<b>Video</b>	Motion JPEG
<b>Compression</b>	MPEG-4 Part2 (ISO/IEC 14496-2), Profile: SP
<b>Resolutions</b>	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) External microphone input or line input Audio compression: G.711 PCM, 8kHz, 64 kbit/s IEEE 802.11b/g (M510W)
<b>Wireless Encryption</b>	
<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>Alarm</b>	Alarm input 5V/12V DC
<b>Input/Output</b>	Alarm output Max 30W

<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, alarm output Pre-and post alarm buffer (M510E)
<b>Connectors</b>	RJ-45 for Ethernet 10/100 Base-T DC power jack Terminal blocks for 1 alarm input, 1 output Reset push switch 3.5 mm jack for Mic/Line, 3.5 mm jack for line out
<b>Casing</b>	PC+ABS casing
<b>Power</b>	12V DC, 1A, Max 12W PoE (Power over Ethernet) Built-in IEEE 802.3af (M510E)
<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 2000, 2003, XP or Vista Mac OS Leopard 10.5
<b>Supported protocols</b>	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, RTCP, 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 12V 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>	112 x 114 (φ)mm (4.4" x 4.4") 274.5 g (0.6) excl. power supply

## Physical Description

