

# P5110/P5115 Day/Night Pan/Tilt IP Camera



- ▶ **1.3 megapixel**
- ▶ **Multiple H.264, Motion JPEG, MPEG-4 and 3GPP video streams**
- ▶ **True day/night with automatic removable IR-cut filter**
- ▶ **Infrared LEDs with 15m effective range**

- 1.3 megapixel progressive scan CMOS
- Multiple H.264, Motion JPEG, MPEG-4 and 3GPP video streams
- 15 fps in 1280 x 1024, 30 fps in 640 x 480
- True day/night capabilities with automatic removable IR-cut filter
- 850nm infrared LEDs with 15m effective range
- Motorized wide-range pan and tilt
- 32 preset positions, 4 patrol sets
- Two-way audio with built-in microphone and audio detection
- Power over Ethernet IEEE 802.3af (P5110)
- Wireless 802.11b/g (P5115)
- 1 x alarm input, 1 x alarm output
- SSL v3 advanced HTTPS encryption
- WEP, WPA, WPA2 advanced wireless security (P5115)
- Full support for Firefox, Safari and Mac OS
- Supports Samba network storage
- 3GPP mobile surveillance
- Multi-lingual user interface
- 32 channel surveillance software

# Technical Specifications

<b>Models</b>	P5110, P5115
<b>Image sensor</b>	1/4" Progressive scan CMOS 1.3 Megapixel sensor
<b>Lens</b>	F1.5, 4.0 mm
<b>Angle of view</b>	48° horizontal
<b>Digital Zoom</b>	10x digital
<b>Min Illumination</b>	0.5 Lux 0 Lux with IR LEDs on
<b>IR working distance</b>	15 M
<b>IR LEDs</b>	5 φ IR LEDs x 12 (850nm)
<b>Day/Night function</b>	Mechanical IR cut filter
<b>Pan/Tilt</b>	354° pan range, 60°/sec pan speed 125° tilt range, 80°/sec tilt speed
<b>S/N Ratio</b>	44dB
<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 1280x1024 to 320x240 via API, 4 selections via configuration web page MPEG-4: 4 resolutions from 1280x1024 to 320x240 via API, 4 selections via configuration web page H.264: 4 resolutions from 1280x1024 to 320x240 via API, 4 selections via configuration web page
<b>Frame rate</b>	Motion JPEG: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480 MPEG-4: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480 H.264: Up to 15 fps at 1280x1024 Up to 30 fps at 640x480
<b>Video streaming</b>	Simultaneous Motion JPEG, MPEG-4, H.264 and 3GPP (4 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 Overlay capabilities: time, date, text and privacy image
<b>Shutter time</b>	1/4~ 1/17780 sec.
<b>Audio</b>	Two-way (full duplex) External microphone input or line input Audio compression: G.711 μ law, a law, and AMR
<b>Wireless Encryption</b>	IEEE 802. 11b/g (P5115)
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption WEP 64/128 bit, WPA/WPA2-PSK

<b>Users</b>	10 simultaneous users Unlimited number of users using multicast
<b>Alarm Input/Output</b>	Alarm input 5V/12V DC Alarm output Max 30W
<b>Alarm and event management</b>	Input: alarm buffer, alarm input, motion detection, audio detection Output: network storage, FTP, SMTP, HTTP event, alarm output Pre-and post alarm buffer
<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 (P5110)
<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 2.8GHz (or equivalent AMD) 256 MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Window 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 (ZAVIO CamGraba IP System, Intelligent IP Installer, User Manuals, and Language Pack), mounting and connector kits, power supply 12V DC
<b>Video management software</b>	ZAVIO CamGraba IP System software, for viewing, recording and archiving up to 32 cameras See <a href="http://www.zavio.com/support_softwares.php">http://www.zavio.com/support_softwares.php</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") 281 g (0.6 lb) excl. power supply

## Physical Description

