

## P5111/ P5116 720P Megapixel Day/ Night Pan/ Tilt Camera



- Megapixel 720P HD resolution
- Multiple H.264, Motion JPEG and MPEG-4 video streams
- True day/night with automatic removable IR-cut filter
- MicroSD card slot
- Power over Ethernet (P5111)
- Wireless 802.11b/g/n with WPS (P5116)
- Supports True Plug and Play Cloud Solution

- Megapixel progressive scan CMOS sensor
- Multiple H.264, Motion JPEG, MPEG-4 and 3GPP video streams
- 30 fps in 1280 x 800
- Day/night functionality with automatic removable IR-cut filter
- 11 IR LEDs with adjustable brightness and 10m distance
- 4mm, F1.8 megapixel fixed lens
- Motorized wide-range pan and tilt
- 32 preset positions, 4 patrol sets
- Micro SD card local storage
- Power over Ethernet IEEE 802.3af (P5111)
- Wireless 802.11b/g/n with WPS (P5116)
- 1 x alarm input, 1 x alarm output
- SSL v3 advanced HTTPS encryption
- Supports Samba network storage
- 3GPP mobile surveillance
- Multi-lingual user interface
- ONVIF compliant

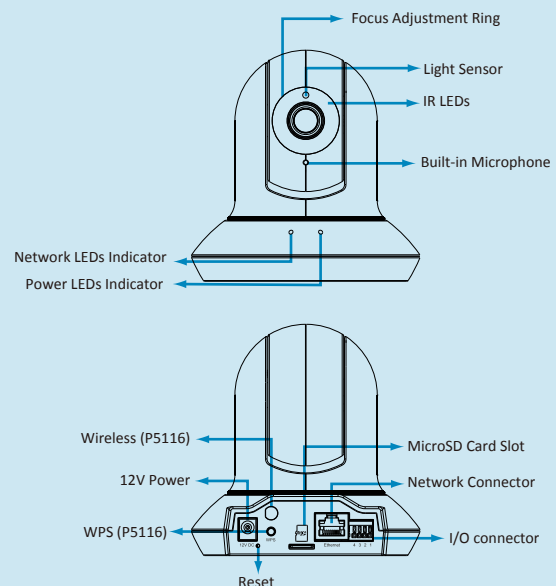
## Technical Specifications

Camera	
<b>Models</b>	P5111/ P5116 720P Megapixel Day/ Night Pan/ Tilt IP Camera
<b>Image sensor</b>	1/4" progressive scan megapixel CMOS sensor
<b>Lens</b>	F1.8 fixed lens , 4.0 mm
<b>Angle of view</b>	33° vertical, 53° horizontal, 62° diagonal
<b>Digital zoom</b>	10x digital
<b>Min illumination</b>	0.2 Lux at F1.8 (color), 0.001 Lux at F1.8 (b/w), 0 Lux at F1.8 (IR LED on)
<b>IR working distance</b>	10m effective range Adjustable brightness via FW
<b>IR LEDs</b>	11pcs (850nm)
<b>Day/Night function</b>	Mechanical IR cut filter , Light sensor
<b>Shutter time</b>	1/2 ~ 1/10000 sec
<b>Pan/ Tilt</b>	354° pan range, 60°/sec pan speed 125° tilt range, 71°/sec tilt speed
Video	
<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: 5 resolutions from 1280 x 800 to 160 x 120 via API, 5 selections via configuration web page MPEG-4: 5 resolutions from 1280 x 800 to 160 x 120 via API, 5 selections via configuration web page H.264: 5 resolutions from 1280 x 800 to 160 x 120 via API, 5 selections via configuration web page
<b>Frame rate</b>	Motion JPEG: Up to 30 fps at 1280 x 800 MPEG-4:Up to 30 fps at 1280 x 800 H.264:Up to 30 fps at 1280 x 800
<b>Video streaming</b>	Simultaneous Motion JPEG, MPEG-4, H.264 and 3GPP (4 streams) Controllable Frame rate and bandwidth Support Unicast and Multicast Support 3GPP/ISMA RTSP (Real Time Streaming Protocol)
<b>Image settings</b>	Brightness, contrast, saturation WDR enhanced Rotation: mirror, flip, mirror flip Overlay capabilities: time, date, text and privacy Image
Audio	
<b>Audio streaming</b>	One-way
<b>Audio compression</b>	G.711 μ law, a law, AMR
Network	
<b>Security</b>	Multiple user access levels with password protection, HTTPS encryption
<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>Users</b>	10 simultaneous users Unlimited number of users using multicast
<b>Wireless encryption</b>	IEEE 802. 11b/g/n with WPS (P5116)
Alarm and Event Support	
<b>Alarm input/output</b>	Alarm input 5V/12V DC Alarm output Max 30W
<b>Alarm and event management</b>	Input: alarm buffer, motion detection, audio detection

Output: network storage, FTP, SMTP, pre-and post alarm buffer

System	
<b>Connectors</b>	RJ-45 Ethernet 10/ 100 Base-T (withPoE) DC power Jack Reset push switch WPS button (P5116) Terminal blocks for 1 alarm input, 1 output
<b>Local storage</b>	MicroSD card slot
General	
<b>Casing</b>	PC+ABS casing
<b>Power</b>	12V DC, 1A, Max 12W PoE (Power over Ethernet) Built-in IEEE 802.3af
<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) 256MB RAM graphic cards (or equivalent on-board graphic cards) 1G RAM Window 2000, 2003, XP, Vista or Windows 7 Mac OS Leopard 10.5 or later
<b>Dimensions (HxWxD)</b>	112 x 114 (φ)mm (4.4"x 4.4")
<b>Weight</b>	232.6g (0.51lb) excl. power supply
<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>Certification</b>	CE, FCC, RoHS
Integration	
<b>Video management software</b>	IP Installer & Video management software-- ZAVIO CamGraba for viewing, recording and archiving up to 64 cameras See <a href="http://www.zavio.com/support_softwares.php">http://www.zavio.com/support_softwares.php</a> for more software application

## Physical Description





## VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the product designated below.

Product	IP CAM
Model	P5116
Trade Name	ZAVIO
Applicant	ZAVIO Inc. 2F, No.13, R&D Rd.II, Science Based Industrial Park, Hsinchu, Taiwan
Applicable Standard(s)	EN 55022:2010 EN 61000-3-2:2006 + A2:2009 EN 61000-3-3:2008 EN 55024:2010, including IEC 61000-4-2:2008 IEC 61000-4-3:2006 + A1:2007 + A2:2010 IEC 61000-4-4:2004 + A1:2010 IEC 61000-4-5:2005 IEC 61000-4-6:2008 IEC 61000-4-8:2009 IEC 61000-4-11:2004
Reference No.	T121206S02-E
Test Laboratory	<b>Compliance Certification Services Inc. (Hsin-Chu Lab)</b> NO. 989-1 Wen Shan Rd., Shang Shan Village, Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C Tel: +886-3-5921698 / Fax: +886-3-5921108

This device has been tested and found to comply with the stated standard(s), which is(are) required by the Council Directive of 2004/108/EC. The test results are indicated in the test report and are applicable only to the tested sample identified in the report.

Sb Lu / Sr. Engineer

Date: January 30, 2013



程智科技股份有限公司  
Compliance Certification Services Inc.



# EC-Declaration of Conformity

The following equipment:

IP CAM

( Product Name )

P5116 / ZAVIO

( Model Designation / Trade Name )

ZAVIO Inc .

( Company Name )

2F, No.13, R&D Rd.II, Science Based Industrial Park, Hsinchu, Taiwan

( Company Address )

is hereby confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility Directive (2004/108/EC). For the evaluation regarding the Electromagnetic Compatibility (2004/108/EC) the following standards are applied:

EN 55022:2010

EN 61000-3-2:2006 + A2:2009

EN 61000-3-3:2008

EN 55024:2010

IEC 61000-4-2:2008

IEC 61000-4-3:2006 + A1:2007 + A2:2010

IEC 61000-4-4:2004 + A1:2010

IEC 61000-4-5:2005

IEC 61000-4-6:2008

IEC 61000-4-8:2009

IEC 61000-4-11:2004

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

( Company Name )

( Company Address )

## Person responsible for making this declaration:

( Name, Surname )

( Position / Title )

( Place )

( Date )

( Legal Signature )



## VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the product designated below.

Product	IP CAM
Model	P5116
Trade Name	ZAVIO
Applicant	ZAVIO Inc. 2F, No.13, R&D Rd.II, Science Based Industrial Park, Hsinchu, Taiwan
Applicable Standard(s)	ETSI EN 300 328 V1.7.1:2006 ETSI EN 301 489-1 V1.9.2:2011 ETSI EN 301 489-17 V2.1.1:2009 EN 55022:2010 EN 61000-3-2:2006 + A2:2009 EN 61000-3-3:2008 EN 61000-4-2:2009 EN 61000-4-3:2006 + A2:2010 EN 61000-4-4:2004 + A1:2010 EN 61000-4-5:2006 EN 61000-4-6:2009 EN 61000-4-11:2004

Reference No. T121206S02-RT/RE

Test Laboratory **Compliance Certification Services Inc. (Hsin-Chu Lab)**  
NO. 989-1 Wen Shan Rd., Shang Shan Village,  
Qionglin Shiang Hsinchu County 30741, Taiwan, R.O.C  
Tel: +886-3-5921698 / Fax: +886-3-5921108

This device has been tested and found to comply with the stated standard(s), which is(are) required by the article 3 of the R&TTE Directive of 1999/5/EC. The test results are indicated in the test report and are applicable only to the tested sample identified in the report.

Sb Lu / Sr. Engineer

Date: January 30, 2013



程智科技股份有限公司  
Compliance Certification Services Inc.



## EC-Declaration of Conformity

The following equipment:

IP CAM

---

( Product Name )

P5116 / ZAVIO

---

( Model Designation / Trade Name )

ZAVAIO Inc .

---

( Company Name )

2F, No.13, R&D Rd.II, Science Based Industrial Park, Hsinchu, Taiwan

---

( Company Address )

is hereby confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Radio Equipment and Telecommunications Terminal Equipment Directive (1999/5/EC). For the evaluation regarding the Radio Equipment and Telecommunications Terminal Equipment Directive (1999/5/EC), the following standards were applied:

ETSI EN 300 328 V1.7.1:2006

ETSI EN 301 489-1 V1.9.2:2011

ETSI EN 301 489-17 V2.1.1:2009

The following manufacturer / importer or authorized representative established within the EUT is responsible for this declaration:

---

( Company Name )

---

( Company Address )

### Person responsible for making this declaration:

---

( Name, Surname )

---

( Position / Title )

---

( Place )

( Date )

( Legal Signature )