



## Model NO.: WPCH502 IR IP Camera

### Description:

It adopts H.264 Main Profile@Level3.0 compression format, support one way audio, mobile phone view, provide analog video output interface, standard IR lens, night vision distance up to 40m, support UPNP, motion detection, email alarm etc.

### Features:

- 32-bits RISC processor and special video encoder which can be up to 3M pixels encoding performance.
- Support H.264 Main [Profile@Level3.0](#) compression format, bit rate is smaller, and the image is more clear. It is more convenient for transferring through Internet and save more storage space.
- D1/CIF/QCIF resolution optional. User can change some specification according to their demands to satisfy his own visual prefer.
- Support PAL/NTSC CCD ;
- Support 3 kinds of video stream, suitable for Local, Internet and Cross-platform view.
- Support to connect external audio capturing device (like MIC phone or sound pick-up) to capture the audio. External speaker can play the voice sent to the live scene, to achieve two-way intercom function. Audio support G.711 and G.726 types.
- Infrared LED for night vision covers 40m area, to realize 24 hours monitoring.
- Support waterproof class of IP66.
- Built-in web server, support video view and parameter settings by browser; use one port to send all the data, it facilitates network setting.
- Support 802.11b/g protocol, can build up wireless monitoring.
- Support mobile phone watching.
- Support UPNP, port forwarding automatically on the router.
- Support maxim 32G SD card for video and picture storage.
- Motion detection and alarm pin can be connected to external sensors to detect environmental situation.
- Alarming record can be stored by email, SD card, and FTP server. External alarm can be open when detecting unusuality. It also sends alarm info to the alarm server.
- Support three level of user authority.
- Support upgrading online.
- Manufacture provide a free DDNS url, when IP Camera is connected to the internet, this URL can be used to visit the device.
- Manufacture provides free software, support Multi-view, Long time recording, video replay etc.
- Support video view by other browsers like as Firefox, safari etc.

# Specification:

<b>Image Capture</b>	Sensor	Standard PAL, 420TVL , 1/3" SONY color CCD
	Total of pixel	400K
	Minimum illumination	IR on, 0 Lux
	Lens	f=8mm, F=1.2, Fixed Iris
<b>Pan/Tilt</b>	Pan Coverage	N/A
	Tilt Coverage	N/A
	Set	N/A
<b>Assistant</b>	Lighting Control	36pcs 850nm Infrared LEDs, 40m distance
	Lighting	Auto Control
<b>Video Process</b>	Resolution	D1 (704*576)/CIF (352*288)/QCIF (176*144)
	Compression	H.264
	Framerate	PAL : 25fps NTSC:30fps
	Bitrate	128kbps ~ 2.048Mbps
	Image Rotation	N/A
	OSD	Support
	Audio Compression	G.711
<b>Network</b>	Basic Protocol	TCP/IP, UDP/IP, HTTP, SMTP, FTP, DHCP, DDNS, UPNP, NTP
	Other Protocol	802.11b/g
<b>Other Features</b>	Mobile Phone View	M-JPEG and H.264 dual streaming, M-JPEG Streaming sent to mobile phone
	Video control	Support
	Dual way audio	Support
	Motion Detection	Support 4 zone detection
	Storage	Snap or video into SD card
	Browser SD card	View or download from network
	Triggered Actions	Email /Send message to alarm server
	User Setting	Three levels
	Date/ Time Setting	Support
	Upgrade	Upgrade from network
DDNS	A free DDNS provided by manufacturer, have been written in device	
<b>Hardware Interface</b>	Ethernet	10Base-T/100base-TX
	Memory	SD Slot
	Alarm In	1 way
	Alarm Out	1 way
	485 Port	1 way
	AV out	BNC Port, AV out
	Audio In	Audio in X 1
	Audio Out	Audio out x 1
<b>Physical Index</b>	Weight	1240g
	Main body	252m (L) *98mm (W) *92mm (H)
	Power	DC 12V
	Power consumption	<12W
	Operating temperature	0 ~ 45
	Humidity	10% ~ 80% non-condensing
<b>Software (PC Side)</b>	OS Supported	Microsoft Windows 98/2000/XP/Vista/Windows 7, Mac OS
	Browser	Internet Explorer6.0 and Above or Compatible Browser, Safari/Firefox etc.
	Application Software	IPCMonitor.exe