



**WIFI OPTIONAL**

**IP Box Camera** is an embedded device designed for network video surveillance application. Optimized H.264 video compression algorithm assures clearer and more fluent image transmission. It uses the newest techniques and high integration single chip SOC with powerful Linux RTOS (Real-time Operating System) realized high performance and low cost digital multimedia process. Built-in mini Web Server (**38x38mm double boards**) that allows users to conveniently carry out remote control via Internet Explorer. Furthermore, central management software can be used for integrated surveillance and management of multiple network cameras, so it is very easy to build large video surveillance system.

**Performance**

- high-density and programmable communication media processor Hi3510, SOC single chip solution, equipped with two processors, ARM9 and DSP
- Support both high sensitivity SONY CCD or other CMOS sensor
- H.264 baseline profile @ Level 2.2, realize transmission of High Definition video over low network bandwidth easily.
- Up to 30 frames per second in all resolutions ranging up to 720x480
- Up to 30 viewers can directly access the camera simultaneously
- Built-in Web server enables the use of a standard Web browser for viewing and management

Support SD card video/picture storage

- Support remote software upgrade safely function
- Support dynamic IP address , LAN, Internet (ADSL and Cable Modem)
- Network protocols: HTTP, SMTP, PPPoE, DDNS, DNS, DHCP, UPnP(CP for NAT)
- Support Bi-directional real- time transmission of audio talk-back & broadcast.
- Network self-adapting technology to adjust video frame rate automatically according to the network bandwidth.
- Provide video lost /motion detection/mask /sensor alarm functions (Area & Sensitivity can be set )
- Provide RS485 serial port with several built-in high-speed domes and decoder protocols, supports transparent protocols.

Type	TEK-BIP501	TEK-BIP502
Image sensor	1/4 SONY Super HAD CCD 420TVL,0.5LUX	1/3 SONY Super HAD CCD 480TVL,0.5LUX
Iris Control	DC DRIVE	
Video compression	H.264 Baseline Profile@Level 2.2	
Video Resolution	PAL:352*288(CIF),704*288(2CIF),704*576(D1); NTSC:352*240(CIF),704*240(2CIF),704*480(D1)	
Video Parameters	Brightness, Hue, Contrast, Saturation, Image quality	
Streaming Format	Optional Video Streaming or Audio&Video composite Streaming	
Video Frame Rate	PAL: 1-25frames/second NTSC:1-30frames/second	
Audio Input	1channel, MIC In or Line Input Unbalanced, 1.4Vp-p, 1Vrms	
Audio Compression	G.726	
Audio Output	1channel,Unbalanced, 1.4Vp-p, 1Vrms	
Supported Protocols	HTTP, SMTP, PPPoE, DDNS, DNS, DHCP, UPnP(CP for NAT)	
System Interface	10M/100M self-adapting Ethernet port,	

	1 RS485 port (supports transparent protocols Pelco D/P)
	SD card slot
	WiFi port, 802.11b/g wireless network (optional)
Alarm Input	1 channel on/off input, supporting NO(normally open) or NC(normally close) sense
Alarm Output	1 channel on/off output,120VAC 1A/24VDC 1A
Input Power Supply	DC 12V,400mA
Maximum Power	Less than 5W
Operating Temperature	-10 ~ +55 degree
Operating Humidity	10 ~ 85%
System Requirements	Operation System: Microsoft Windows 98/ME/2000/XP/2003 Browser: Microsoft Internet Explorer 5.x or above