

# IC502w

Pan/Tilt IP Network Camera

Plug&Play MPEG4 wireless IP camera

With 3GPP/ISMA support



The IC502w pan/tilt IP Network Camera is designed with the “user-friendly” idea deep in mind. The user can install the IC502w easily on his/her home network and then access the IP Camera anywhere in the world through the accompanied video management software-CamView without setting some complicated DNS name or changing the router’s settings. It’s just a plug & play action.

With 3GPP/ISMA support, users can see the video of the IP camera on any 3G mobile phone anywhere, anytime. The big difference is that there is software for downloading to the mobile phone so that the fixed IP address is not needed for the IP camera. The video settings including frame rate, resolution and bandwidth could be different for PC monitoring and mobile viewing.

With pan/tilt support, users can monitor the video in a much larger viewing angle range.

For indoor surveillance and remote monitoring, the IC502w provides the best image quality in its class, and excellent performance. The IC502w IP Camera also provides the best bandwidth efficiency, it offers 640x480 resolution, 30 fps frame rate, real MPEG4 image compression ability. The built-in microphone enables remote users to not only view, but also listen for additional monitoring options.

The NAS storage function can easily turn any NAS device to a NVR device. The schedule function provides full scheduling of email/ftp sending, motion detection and NAS recording event. With the built-in Web server, the IC202w IP Cameras can also be managed from a standard web browser on a Windows computer.

With the ActiveX support, users can also see the video display on the Windows IE browser. The IC502w IP Camera provides both wireless IEEE 802.11 b/g and wired Ethernet network interfaces for flexible installation. It supports the WEP and WPA (Wi-Fi Protected Access) security modes to provide the best security for wireless networks.

The IC502w IP Camera provides motion detection function. Users can easily setup this function and receive the notification with the snapshot images through email and/or ftp when some motion events are detected.

The IC502w IP camera is ideal for securing small businesses, home offices and residences over a local area network and/or the Internet.

## Features

- ✓ Easily access the camera from anywhere in the world via the ID/password (Through accompanied video management software, no complicated DNS settings needed )
- ✓ 3GPP/ISMA support
- ✓ Dual video streaming with separate frame rate/resolution/bandwidth settings for PC and mobile.
- ✓ Wide range Pan/tilt motion control.
- ✓ 802.11 b/g wireless with WEP and WPA security support
- ✓ Connect up to 20 users simultaneously
- ✓ Supports enhanced MPEG-4 compression
- ✓ Supports resolution of up to 640x480 pixels at 30 fps.
- ✓ Free video management software CamView accompanied for easy access and multi-camera management.
- ✓ View video from your Wireless or wired Ethernet network
- ✓ ActiveX video display in Microsoft IE browser.
- ✓ Motion Detection and E-mail/FTP notification
- ✓ Synchronize the system time through NTP protocol. Built-in Web server for managing via standard web browser.
- ✓ Built-in micro-SD card interface for video storage on SD card.
- ✓ Built-in microphone for synchronized audio.
- ✓ Event scheduling.
- ✓ NAS storage access.
- ✓ Online Firmware upgrade, will enter safe mode when power is off during critical firmware upgrade point.
- ✓ Watchdog function to prevent system failure.

# Specifications

<b>Model</b>	IC502w
<b>Power</b>	DC 5V, 2A
<b>Processors</b>	RISC CPU, hardware video processing and compression.
<b>Network interface</b>	Ethernet 10BaseT/100BaseTX, Auto-MDIX, RJ-45
<b>Wireless interface</b>	<p>IEEE 802.11g: 6 - 54 Mbps</p> <p>IEEE 802.11b: 1 - 11 Mbps</p> <p>Transmit power: 14.5dBm typically @ 802.11g, 17.5dBm typically @ 802.11b</p> <p>Receiver sensitivity: 54Mbps: Typical -73dBm @ 10% PER, 11Mbps: Typical -86dBm @ 10% PER</p> <p>Antenna gain: 1.8 dBi</p>
<b>Pan/Tilt control</b>	<p>Pan range: 130° ( -65° ~ 65° )</p> <p>Tilt range: 90° ( 0° ~ 90° )</p> <p>Auto pan mode</p> <p>Auto patrol mode</p>
<b>Image sensor</b>	<p>RGB VGA 1/4 inch CMOS</p> <p>Automatic exposure control, automatic white balance, automatic gain control, automatic brightness control.</p>
<b>Light sensitivity</b>	0.2 Lux
<b>Lens</b>	<p>3.2 mm, F2.0</p> <p>Viewing angle: 60.3°, fixed iris.</p> <p>Focus range: 30 cm to infinity</p>
<b>D/I D/O interface</b>	<p>1 D/I for alarm detection</p> <p>1 D/O for alarm triggering</p>
<b>Micro-SD card</b>	Micro-SD card interface for local video storage up to 16G bytes
<b>Buttons</b>	One reset button, to factory default settings
<b>Indicators</b>	<p>One LED for internet connection status indication</p> <p>One LED for Ethernet connection indication</p> <p>Enable/disable through web configurable</p>
<b>Video compression</b>	<p>MPEG-4 Part 2 (ISO/IEC 14496-2) with motion detection,</p> <p>Profiles: Simple Profile, level 0-3</p>
<b>Frame rate</b>	Up to 30 fps in all resolutions

<b>Video streaming</b>	MPEG-4. Separate frame rate/resolution/bandwidth settings for PC and mobile.
<b>Video settings</b>	Resolution: VGA(640x480), QVGA(320x240), QQVGA(160x120) Bandwidth: 64k, 128k, 256k, 512k, 768k, 1M, 1.2M, 1.5M bps Frame rate: 1-5, 10, 15, 20, 25, 30 fps
<b>Audio</b>	Built-in microphone for audio monitoring Audio compression: MP2 audio, AMR-NB for 3GPP/ISMA(RTSP streaming)
<b>Security</b>	Web management username/password protection Video display ID/password protection WiFi WEP and WPA security mode
<b>Installation, management and maintenance</b>	Installation tool on CD and Web-based configuration and Automatic configuration backup and restore. Video management software-CamView for video access and multi-camera management. Firmware upgrades via FTP
<b>Minimum Web browsing and management software requirements</b>	Built-in web server for standard web browser access Pentium 4 (or equivalent AMD) CPU 1.0 GHz or higher, 1 GB RAM
<b>Supported protocols</b>	IPv4, HTTP, TCP, ICMP, RTSP, RTP, UDP, RTCP, SMTP, SNTP, FTP, DHCP, ARP, DNS, PPPoE, etc.
<b>Accessories</b>	Power adaptor, RJ45 ethernet cable, quick installation guide, CD with installation tool/software and User's Manual, ID/Password card.
<b>Video management software</b>	Surveillance application for viewing and archiving up to 16 cameras
<b>Users</b>	Up to 20 simultaneous unicast users (depends on video settings)
<b>Alarm and event management</b>	Events triggered by video motion detection Notification/upload of JPEG images over FTP and/or email
<b>Dimensions</b>	120 x 91 x 84 mm, (HxWxD) and weight 350 g, camera body only.
<b>Approvals</b>	EMC - CE, FCC Part 15 Subpart B Class B Wireless RF - CE, FCC Part 15 Subpart C Power supply: CE, FCC, UL, EN 60950
<b>Operating conditions</b>	-50 °C Humidity 20 - 80% RH (non-condensing)