

# AM9220M H.264 Mega PT IP Cam (WLAN)

# AM9230M H.264 Mega PT IP Cam (PoE)

**- Build in LED for Day & Night Surveillance**



## ● Key Features

1. H.264, MPEG4 and MJPEG simultaneously (Tri-encoders)
2. White LED\*4pcs for day and night surveillance
3. AM9230M built in Power over Ethernet
4. AM9220M built in 802.11g WLAN
5. Support various protocols: RTSP, UPnP, 3GPP, HTTPS, Unicast, Samba
6. Event trigger action: Trigger presets and tours, Send to NAS, send to FTP, send to Email, Voice alert, notify to HTTP/TCP servers

Camera	
Image Device	1.3 Mega-pixel image sensor
Effective Pixels	1280 x 1024 pixels
Sensitivity	1.0V/lux-sec (550nm)
Signal to Noise	44dB
Lens	f:4.3mm / F:1.8
Pan & Tilt	
Pan Degree	355°
Tilt Degree	-10~90°
Manual Pan Degree	180°/ second (max)
Manual Tilt Degree	120 °/ second (max)
Preset Points	128 preset points
Camera Tour	16 tours
IP Module	
Video	

<b>Video Encoder</b>	H.264, MPEG4 and Motion JPEG simultaneously (Tri-encoders)
<b>Video Profile</b>	* 13 profiles simultaneously H.264: SXGA/ VGA / QVGA / QQVGA MPEG4: VGA / QVGA / QQVGA M-JPEG: SXGA/ VGA / QVGA / QQVGA ROI-1: H.264@VGA ROI-2: H.264 @ QVGA
<b>Region of Interest</b>	H.264 VGA and H.264 QVGA user defined windows (saving bandwidth, get stream of interested)
<b>Frame Rate</b>	Mega-pixel mode: Up to 15fps for all profiles VGA mode: Up to 30fps for all VGA or less profiles
<b>Image Setting</b>	De-noise Brightness, sharpness, contrast Text, time and date overlay
<b>Streaming</b>	Simultaneously multi-profile streaming Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264)
<b>Audio</b>	
<b>Audio Encoder</b>	RTSP: G.711 64kbps, G.726 32kbps 3GPP: AMR
<b>Audio Streaming</b>	One-way or two-way
<b>Microphone</b>	Built-in microphone
<b>Audio Output</b>	Line level out
<b>Network</b>	
<b>Supported Protocols</b>	TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP, Samba, HTTPS (by request), SIP (by request)
<b>Security</b>	Password protection, IP address filtering, user access log
<b>Users</b>	20 simultaneous unicast users Unlimited users using multicast
<b>Ethernet</b>	10/100M auto negotiation
<b>WLAN</b>	AM9220M with 802.11b/g WLAN
<b>Wireless Encryption</b>	WEP, WAP
<b>System Integration</b>	
<b>Application</b>	Open API for software integration

<b>Programming Interface</b>	SDK
<b>Alarm Triggers</b>	Intelligent video motion detection
<b>Motion Detection</b>	10-zone video motion detection
<b>Alarm Events</b>	<ul style="list-style-type: none"> <li>● Event server: FTP server, SMTP server, Samba server. File upload video clip or snapshot</li> <li>● Notification via email, HTTP, and TCP</li> <li>● Go preset position</li> <li>● Go auto tour</li> <li>● Audio alerting output</li> </ul>
<b>Video Buffer</b>	Pre- and post- alarm buffering
<b>General</b>	
<b>Power Supply</b>	12V DC external power adapter
<b>Power Consumption</b>	7W max (with WLAN and LEDs on) or 5W max (LEDs on but without WLAN)
<b>Power over Ethernet</b>	AM9230M Built in PoE splitter
<b>Connectors</b>	RJ-45 10BaseT/100BaseTX , DC jack Audio in/ Audio out
<b>Indication LED</b>	Two-Color LED
<b>Illumination LED</b>	4 high-light LEDs (white)
<b>Operating Temperature</b>	0°C to 40°C (32°F to 104°F)
<b>Operating Humidity</b>	20% ~ 80% (non-condensing)
<b>Dimension</b>	108X105X105mm (HXWXD)
<b>Viewing System</b>	
<b>OS</b>	Windows® 2000, XP, Vista, Windows 7
<b>Browser</b>	IE 6.0 or latter / Firefox 2.0 or later/ Safari
<b>Cell Phone</b>	With 3GPP player
<b>Video Player</b>	VLC, Quick Time, Real Player
<b>Software</b>	
<b>Search &amp; Installation</b>	IPWizard-2
<b>Easy DDNS</b>	DIPS™
<b>Bundled NVR Program</b>	<ul style="list-style-type: none"> <li>* 64ch. mult-channel supports Tri-decoder</li> <li>* 16ch. video playback (simultaneously)</li> <li>* Smart &amp; scable digital zoom. Snapshot and edit</li> <li>* Motion, DI, Scheduler recording</li> <li>* Fast rewind and forward (MPEG4, H.264, MJPEG rewind)</li> <li>* 32x24 motion detection grids</li> <li>* Smart search ( by motion)</li> </ul>

	<ul style="list-style-type: none"><li>* Sequential search ( frame by frame)</li><li>* E-MAP</li><li>* Event schedule setting</li><li>* Remote server function: Remove live view / Remote playback / Remote setup</li><li>* Multi-language support</li></ul>
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