

## Full HD Mini PT IR IP Camera

**AM2221D 802.11n WLAN Model**

**AM2231D 802.3af PoE Model**



**Member of ONVIF**

- Key Features

1. H.264, MPEG4 and MJPEG simultaneously (Tri-encoders)
2. 1600\*1200 resolution, max 15fps (2M mode)
3. 1280\*720 resolution, max 30fps (720P HD mode)
4. Comprehensive I/O ports: MIC in, audio out, DI, DO, RS485, RJ45, mSD
5. Built in IR LED and ICR for day & night surveillance without color shift, controlled by FW
6. Built in Power over Ethernet (2231D)
7. 802.11n WLAN function (2221D)
8. Support various protocols: RTSP, UPnP, 3GPP, HTTPS, Samba
9. Event trigger action: Send to NAS, send to FTP, send to Email, Voice alert, save to mSD card, go to preset or tour, notify to HTTP/TCP servers
10. Free bundle 64ch. SecuGuard software

Camera	WLAN	PoE
Model No.	AM2221D	AM2231D
Wireless	802.11b,g,n	X
PoE	X	802.3af
Image Device	2 Mega-pixel image sensor	
Effective Pixels	1600x1200 pixels (sensor)	
Lens	4.2mm	
Pan & Tilt		
Pan Degree	355°	
Tilt Degree	-30~90°	



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<b>Manual Pan Degree</b>	90°/ second (max); 1°/ second (min)
<b>Manual Tilt Degree</b>	90°/ second (max); 1°/ second (min)
<b>Preset Points</b>	128 preset points
<b>Camera Tour</b>	16 tours
<b>IP Module</b>	
Video	
<b>Video Encoder</b>	H.264, MPEG4 and MJPEG simultaneously (Tri-encoders)
<b>Video Profile</b>	20 profiles simultaneously
<b>Frame Rate</b>	Up to 15fps for 1600*1200 Up to 30fps @720p mode
<b>Region of Interest</b>	5 windows with selectable resolution and codec, max region size is 640x352
<b>Image Setting</b>	AE, AWB Noise reduction Color, brightness, sharpness, contrast Mirror/Flip 8 Privacy Masks Text, time and date overlay
<b>Streaming</b>	Simultaneously multi-profile streaming Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP (server push) Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264) ROI.
<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>	Adjustable audio output gain
<b>Network</b>	
<b>Supported Protocols</b>	IPv4, TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, Samba, ICMP, HTTPS
<b>Security</b>	Password protection, IP address filtering, HTTPS encrypted data

	transmission, user access log	
<b>Users</b>	20 simultaneous unicast users	
<b>Ethernet</b>	10/100M auto negotiation	
<b>System Integration</b>		
<b>Application Programming Interface</b>	Open API for software integration <b>ONVIF for SDK integration</b>	
<b>Alarm Triggers</b>	Intelligent video motion detection and external input	
<b>Motion Detection</b>	10-zone video motion detection with included or excluded options	
<b>Alarm Events</b>	<ul style="list-style-type: none"> <li>● File upload via FTP</li> <li>● File upload via SMTP email</li> <li>● File upload via Samba to NAS</li> <li>● Notification via email, HTTP, and TCP</li> <li>● DO (Alarm output )</li> <li>● Go to PT preset position</li> <li>● Audio alerting output</li> <li>● mSD card local storage</li> </ul>	
<b>Video Buffer</b>	Pre- and post- alarm buffering	
<b>General</b>		
<b>RAM</b>	256MB	
<b>ROM</b>	16MB	
<b>Power Supply</b>	12V DC external power adapter	
<b>Power Consumption</b>	7W	6.5W
<b>Connectors</b>	RJ-45 10BaseT/100BaseTX 12V DC power jack 1 alarm input and 1 output Phone jack Audio out Factory default reset mSD card	
<b>Illumination LED</b>	12 IR LEDs	
<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>	H x W x D: 97x86x81 mm	
<b>Viewing System</b>		
<b>OS</b>	Windows® XP, Vista, 7	
<b>Browser</b>	IE 6.0 or later, Firefox 2.0 or later, Safari , Google Chrome	



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<b>Cell Phone</b>	With 3GPP player
<b>Video Player</b>	VLC, Quick Time, Real Player, Core Player
<b>Software</b>	
<b>Search &amp; Installation</b>	IP Wizard II
<b>Easy DDNS</b>	DIPS™
<b>Bundled NVR Program</b>	<b>64ch. SecuGuard™</b>  * 64ch. multi-channel supports Tri-decoder * 16ch. video playback (simultaneously) * Smart & scrollable digital zoom. Snapshot and edit * Motion, DI, Scheduler recording * Fast rewind and forward (MPEG4, H.264, MJPEG rewind) * 32x24 motion detection grids * Smart search (by time, by motion ) * E-MAP * Event schedule setting * Remote service * Camera tampering

※ The product design and dimensions may change without previous notice for improvement of performance.