

# AXIS 212 PTZ Network Camera

*Full overview and instant zoom with retained picture resolution – yet without moving parts*

The AXIS 212 PTZ Network Camera provides overview images of the entire monitored area, as well as instant one-click pan/tilt/zoom control in a close-up image, offering excellent and precise indoor surveillance.

The AXIS 212 PTZ is a cost-efficient pan/tilt/zoom camera that incorporates a high-quality 3 Megapixel sensor and a wide angle lens. It provides simultaneous MPEG-4 and Motion JPEG video streams for optimized image quality and bandwidth usage. Features such as pre- and post-alarm image buffering, video motion detection, scheduled and triggered event functionality with alarm notification provide effective indoor monitoring. The two-way audio support enables remote users not only to view, but also listen in on an area and communicate orders or requests to visitors or intruders, thereby increasing the monitoring options.

Built-in Power over Ethernet support allows power to be supplied to the AXIS 212 PTZ via the network, reducing cabling requirements and installation costs as well as consolidating power for higher reliability. The AXIS 212 PTZ comes with a comprehensive set of network security features such as multi-level password protection, IP address filtering and HTTPS encryption. This compact wall-mount camera is ideal for monitoring shops, reception areas and other facilities where you need an overview as well as the possibility to zoom in for detailed inspections.



- Instant one-click Pan, Tilt and Zoom
- PTZ with no moving parts - no wear and tear
- Simultaneous Motion JPEG & MPEG-4 for optimized quality and bandwidth
- Power over Ethernet for reduced cabling and consolidated power
- Two-way audio including built-in microphone and audio detection alarm



## Specifications

<b>Image sensor</b>	3.1 Megapixel 1/2" Micron progressive scan CMOS	<b>Casing</b>	Tamper-resistant casing Polycarbonate base Tamper-proof mounting directly on wall or with angled wall mount
<b>Lens</b>	Fujinon, F1.8, 2.7 mm, fixed iris	<b>Processors and memory</b>	CPU, video processing and compression: ARTPEC-A RAM: 32 MB, Flash: 8 MB Battery backed-up real-time clock
<b>Angle of view</b>	Horizontal viewing angle: 44° - 140° Vertical viewing angle: 35° - 105°	<b>Power</b>	4.9 - 5.1 V DC max 3.6 W, or Power over Ethernet (IEEE 802.3af) with power classification: Class 1 (max 3.84 W)
<b>Zoom</b>	3x instant (less than 0.1 sec from wide to tele)	<b>Operating conditions</b>	5 - 40 °C (41 - 104 °F) Humidity 20 - 80% RH (non-condensing)
<b>Min illumination</b>	Wide mode: 10 lux, F1.8 Tele mode: 20 lux, F1.8	<b>Installation, management and maintenance</b>	AXIS Camera Management tool on CD and Web-based configuration Configuration of backup and restore Firmware upgrades over HTTP or FTP, firmware available at <a href="http://www.axis.com">www.axis.com</a>
<b>Pan range</b>	140°	<b>Video access from Web browser</b>	Camera live view, sequence tour capability for up to 20 Axis video sources, customizable HTML pages
<b>Tilt range</b>	105°	<b>Minimum Web browsing requirements</b>	Pentium III CPU 500 MHz or higher, or equivalent AMD 128 MB RAM AGP graphic card, Direct Draw, 32 MB RAM Windows XP or 2000, DirectX 9.0 or later Internet Explorer 6.x or later  For other operating systems and browsers see <a href="http://www.axis.com/techsup">www.axis.com/techsup</a>
<b>Max speed</b>	400°/s	<b>System integration support</b>	Powerful API for software integration available at <a href="http://www.axis.com">www.axis.com</a> , including AXIS VAPIX API, AXIS Media Control SDK, event trigger data in video stream and embedded scripting. Full support for Axis joystick. Watchdog secures continuous operation, can be monitored by other systems via event notification. Embedded operating system: Linux 2.6
<b>Video compression</b>	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2) with motion estimation MPEG-4 profiles: Advanced Simple Profile and Simple Profile	<b>Supported protocols</b>	IPv4, TCP, ICMP, ARP, RTP, RTSP, UDP, IGMP, DHCP, DNS, DynDNS, SOCKS, NTP, UPnP, Bonjour, HTTP, HTTPS, SSL/TLS*, SNMPv1/v2c/v3 (MIB-II), SMTP, FTP, etc. More information on protocol usage available at <a href="http://www.axis.com">www.axis.com</a>  <i>* This product includes software developed by the Open SSL Project for use in the Open SSL Tool kit (<a href="http://www.openssl.org">www.openssl.org</a>)</i>
<b>Resolutions</b>	9 resolutions from 640x480 to 160x120 via API 6 selections via configuration Web page	<b>Included accessories</b>	Installation Guide, CD with installation and management tools, demo software and User's Manual, mounting and connector kits, angled wall mount, power supply PS-H 5.1 V DC, MPEG-4 licenses (1 encoder, 1 decoder), MPEG-4 decoder (Windows)
<b>Frame rate</b>	Up to 30 frames per second in VGA	<b>Video management software (not incl.)</b>	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras See <a href="http://www.axis.com/partner/adp_partners.htm">www.axis.com/partner/adp_partners.htm</a> for more software applications via partners
<b>Video streaming</b>	Simultaneous Motion JPEG and MPEG-4 Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)	<b>Accessories (not incl.)</b>	AXIS 295 Surveillance Joystick
<b>Image settings</b>	Compression levels: 100 Configurable color level, brightness, sharpness, white balance, exposure control Overlay capabilities: time, date, text, image	<b>Approvals</b>	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, FCC Part 15 Subpart B Class B, VCCI Class B, ICES-003 Class B, C-tick AS/NZS CISPR 22, EN60950 Power supply: EN60950, UL, CSA
<b>Pan/tilt/zoom</b>	20 preset positions Guard Tour Sequence mode Control queue Designed for continuous movements	<b>Dimensions (HxWxD) and weight</b>	78 x 144 x 132 mm (3.0" x 5.6" x 5.2") Weight: 504 g (1.1 lbs)
<b>Shutter time</b>	1/5 to 1/10000 second		
<b>Audio</b>	Configurable for built-in or external microphone Audio compression Audio in: AAC LC 8-32 kbit/s, G.711 PCM 64 kbit/s, G.726 ADPCM 32 or 24 kbit/s Audio out: G.711 PCM 64 kbit/s, G.726 ADPCM 32 or 24 kbit/s Half duplex, simplex or audio off Audio alarm at a configurable detection level		
<b>Security</b>	Multiple user access levels with password protection, IP address filtering, HTTPS encryption		
<b>Users</b>	20 simultaneous users Unlimited number of users using multicast (MPEG-4)		
<b>Alarm and event management</b>	Events triggered by multi-window video motion detection, audio detection, external inputs or according to a schedule Image upload over FTP, email and HTTP Notification over TCP, email, HTTP and external output Pre- and post alarm buffer of 9 MB (approx 5 min of 320x240 resolution video at 4 frames per sec)		
<b>Connectors</b>	Ethernet 10BaseT/100BaseTX, RJ-45 Mini DC power jack Terminal block for 1 alarm input and 1 output 3.5 mm jack for Mic in (max 80 mVpp) or Line mono input (max 6.4 Vpp), 3.5 mm jack for Line mono output (max 1.3 Vpp) to active speaker		