# AXIS 207/207W/207MW
## Network Cameras

*True bandwidth-efficient MPEG-4 network cameras*

The AXIS 207 Network Cameras offer compact and cost-effective solutions for indoor surveillance and remote monitoring. The AXIS 207 family provides the best image quality in its class, with excellent performance even in low light conditions. It offers VGA resolution with AXIS 207/207W, and if greater detail or wider field of view is required, Megapixel resolution with AXIS 207MW.

The AXIS 207 Network Cameras also provide the best bandwidth efficiency, thanks to its MPEG-4 implementation that includes motion estimation. Simultaneous MPEG-4 and Motion JPEG streams allow systems to be optimized for both image quality and bandwidth. The built-in microphone enables remote users to not only view, but also listen in on an area and increase the monitoring options.

Thanks to the built-in Web server, the AXIS 207 Network Cameras can be monitored from a standard browser on a Windows computer or a Macintosh. In addition to the included AXIS IP Utility tool for Windows, the cameras support both UPnP and Bonjour, for easy location on the network in a Windows or Macintosh environment.

Video can be recorded directly from the Web interface or via the included video management software. Video can also be uploaded over FTP, email or HTTP when the camera detects motion or is triggered by a sensor connected to the alarm input.

The AXIS 207W/207MW Network Cameras are supplied with both wireless IEEE 802.11g and Ethernet network interfaces for flexible installation. They support the WPA (Wi-Fi Protected Access) and WPA2 protocols to provide the best security for wireless networks. The wide coverage provided by the high-performance wireless functionality gives the freedom to place the camera where required, instead of being restricted to network outlets.

These network cameras are ideal for securing small businesses, home offices and residences over a local area network or the Internet.

- Superior image quality with up to 12 frames per second in 1.3 Megapixel resolution (AXIS 207MW) or up to 30 in VGA (AXIS 207/207W)
- Simultaneous Motion JPEG and MPEG-4 for optimized quality and bandwidth
- Built-in microphone for synchronized audio
- Wireless IEEE 802.11g and Ethernet for flexible installation (AXIS 207W/207MW)
- Built-in Web server for monitoring via standard browser on Windows or Mac

**AXIS** COMMUNICATIONS

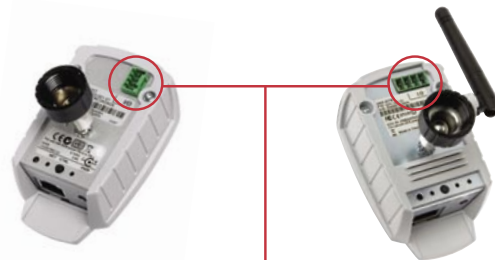Make your network smarter

### Specifications

| | |
|---|---|
| Models | AXIS 207: VGA, wired interface<br>AXIS 207W: VGA, wired and wireless interface<br>AXIS 207MW: Megapixel, wired and wireless interface |
| Image sensor | AXIS 207/207W: 1/4" Micron Progressive Scan RGB VGA CMOS<br>AXIS 207MW: 1/3" Micron Progressive Scan RGB 1.3 Megapixel CMOS |
| Lens | AXIS 207/207W: 4.0 mm, F2.0, horizontal viewing angle: 55°, fixed iris, focus range: 0.5 m to infinity<br>AXIS 207MW: 3.6 mm, F1.8, horizontal viewing angle: 85°, fixed iris, focus range: 0.5 m to infinity |
| Light sensitivity | AXIS 207/207W: 1-10000 lux, F2.0<br>AXIS 207MW: 2-10000 lux, F1.8 |
| Video compression | Motion JPEG<br>MPEG-4 Part 2 (ISO/IEC 14496-2) with motion estimation, profiles: Simple Profile, level 0-3, and Advanced Simple Profile, level 0-5 |
| Resolutions | AXIS 207/207W: 7 resolutions up to 640x480<br>AXIS 207MW: 15 resolutions up to 1280x1024 |
| Frame rate | AXIS 207/207W: Up to 30 fps in all resolutions<br>AXIS 207MW: Up to 14 fps in resolutions up to 1280x720, up to 12 fps in 1280x1024 |
| Video streaming | Simultaneous Motion JPEG and MPEG-4<br>Controllable frame rate and bandwidth<br>3GPP and ISMA compatible |
| Image settings | Compression levels: 100<br>Rotation: 0°, 180°<br>Configurable color level, brightness, contrast, white balance<br>Overlay capabilities: time, date and text |
| Shutter time | AXIS 207/207W: 1/2 - 1/10000 second<br>AXIS 207MW: 1/10 - 1/10000 second |
| Audio | Built-in microphone for one-way audio<br>Audio compression:<br>   AAC LC 8-32 kbit/s<br>   G.711 PCM 64 kbit/s, G.726 ADPCM 32 or 24 kbit/s (AXIS 207W/207MW) |
| Wireless interface (AXIS 207W/207MW) | IEEE 802.11g 6 - 54 Mbps<br>IEEE 802.11b 1 - 11 Mbps<br>Transmit power: 20–22 dBm* (FCC), 11–14 dBm (CE)**<br>Receiver sensitivity: -90 dBm at 1 Mb<br>Modes: Infrastructure and ad-hoc<br>Antenna gain: 1.6 dBi<br>*Peak; without antenna gain; **Avg; without antenna gain |
| Security | Multiple user access levels with password protection<br>AXIS 207W/AXIS 207MW: IP address filtering, HTTPS encryption<br>WEP 64/128 bit, WPA-PSK*, WPA2-PSK*<br>*infrastructure mode only |
| Users | 10 simultaneous unicast users<br>Unlimited users using multicast (MPEG-4) |
| Alarm and event management | Events triggered by video motion detection, audio or external input<br>Upload of MPEG-4 video or Motion JPEG images over FTP, email and HTTP<br>Notification via email, HTTP and external output<br>Pre- and post alarm buffering in MPEG-4 file up to 4 MB (AXIS 207/207W) / 2 MB (AXIS 207MW) |
| Connectors | Ethernet 10BaseT/100BaseTX, Auto-MDIX (AXIS 207W/207MW), RJ-45<br>Terminal block for 1 alarm input, 1 output and alternative power connection |
| Processors and memory | CPU, video processing and compression: ARTPEC-A<br>RAM: 32 MB, Flash: 4 MB (AXIS 207), 8 MB (AXIS 207W/207MW) |
| Power | AXIS 207: 4.9-5.1 V DC, max 2.5 W<br>AXIS 207W: 4.9-5.1 V DC, max 3.5 W<br>AXIS 207MW 4.9-5.1 V DC, max 4.0 W |
| Operating conditions | 5-50 °C (41-122 °F)<br>Humidity 20 - 80% RH (non-condensing) |
| Installation, management and maintenance | Installation tool on CD and Web-based configuration<br>Configuration backup and restore<br>Video management software for recording<br>Firmware upgrades over HTTP or FTP, firmware available at www.axis.com |
| Video access from Web browser | Camera live view,<br>video recording to file (ASF),<br>customizable HTML pages |
| Minimum Web browsing requirements | Pentium III CPU 500 MHz or higher, or equivalent AMD<br>128 MB RAM<br>AGP graphics card 32 MB RAM, Direct Draw<br>Windows XP, 2000, DirectX 9.0 or later<br>Internet Explorer 6.x or later<br>Mac OS X 10.3 or later and Safari 1.3 or later with QuickTime plugin<br>Other MPEG-4/AAC players supported: Packet Video, QuickTime, RealPlayer standalone and browser plug-ins, Windows Media Player<br>For other operating systems and browsers see www.axis.com/techsup |
| System integration support | Powerful API for software integration available at www.axis.com, including AXIS VAPIX API, AXIS Media Control SDK, event trigger data in video stream. Quality of Service (QoS) Layer 3, DiffServ Model. Embedded operating system: Linux |
| Supported protocols | IPv4, IPv6*, HTTP, HTTPS*, TCP, ICMP, RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, DHCP, UPnP, Bonjour, ARP, DNS, DynDNS, SOCKS, NTP, etc.<br>*AXIS 207W/207MW<br>More information on usage available at www.axis.com<br>This product includes software developed by the Open SSL Project for use in the Open SSL Toolkit |
| Accessories (included) | Power supply, stand, clamp, connector block, Installation Guide, CD with installation tool, software and User's Manual, AXIS Camera Explorer license, MPEG-4 licenses (1 encoder, 1 decoder), MPEG-4 decoder (Windows) |
| Video management software (not incl.) | AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras<br>See www.axis.com/partner/adp_partners.htm for more software applications via partners |
| Accessories (not incl.) | AXIS MPEG-4 Decoder multi-user license pack<br>AXIS 207: Indoor vandal-resistant housing |
| Approvals | AXIS 207: EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, EN 61000-6-1, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS 3548, EN 60950<br>AXIS 207W/207MW: EN 300328, EN 301489, FCC Part 15 Subpart B & C Class B, ICES-003 Class B, RSS210, VCCI Class B, TELEC, C-tick AS/NZS 4771, MIC, EN 60950<br>Power supply: EN 60950, UL, CSA |
| Dimensions (HxWxD) and weight | AXIS 207: 85 x 55 x 34 mm, (3.3" x 2.2" x 1.3"), 177 g (0.39 lb) incl. stand, excl. power supply<br>AXIS 207W/207MW: 85 x 55 x 40 mm (3.3" x 2.2" x 1.6") antenna not included, 190 g (0.42 lb) incl. stand, excl. power supply |

AXIS 207/207W/207MW Network Camera with camera stand - stand included



AXIS 207/207W/207MW Network Camera with flexible clamp - clamp included



The four-pin terminal connector provides the interface to 1 alarm input, 1 output and alternative power connection. It can be used for connecting e.g. an external alarm device for triggering an alarm notification via email.

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