AXIS P7701 Video Decoder
Full-featured video decoder with H.264 support.

AXIS P7701 Video Decoder provides a simple monitoring solution by enabling digital or analog monitors to connect to and display live video from Axis network cameras and video encoders. AXIS P7701 is ideal for use with a public view monitor, and in large and small surveillance systems.

AXIS P7701 can decode full frame rate video streams in H.264 and MPEG-4 in all resolutions up to D1 (720x480 pixels in NTSC, 720x576 in PAL). Motion JPEG can be decoded in all resolutions up to 720p (1280x720).

AXIS P7701 can scale video to a maximum resolution of 1280x720 pixels on LCD screens, while on analog monitors, the maximum resolution is D1. AXIS P7701 can also output high-quality audio as it can decode audio in AAC, G.726 or G.711 formats. Through an RS-422/RS-485 serial port, AXIS P7701 allows serial commands to be sent to legacy equipment used in a surveillance system.

An unlimited number of video sources can be shown in sequence. With auto-connect on alarm, AXIS P7701 can automatically display alarm-triggered video. The decoder can also be powered through Power over Ethernet, which simplifies installation.

In situations where only live video display is required – such as with a public view monitor at a store entrance, AXIS P7701 offers a more cost-effective solution than connecting a monitor to the network via a PC. AXIS P7701 can also complement a video management system by helping to offload the main server from decoding digital streams simply for display purposes.
## Technical specifications – AXIS P7701 Video Decoder

### Video decoder

<table>
<thead>
<tr>
<th>Video compression</th>
<th>H.264 (MPEG-4 Part 10/AVC, Baseline profile)</th>
<th>MPEG-4 Part 2</th>
<th>Motion JPEG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Resolutions</strong></td>
<td>H.264 and MPEG-4 Part 2: All resolutions up to D1 (720x480 NTSC, 720x576 PAL)</td>
<td>Motion JPEG: All resolutions up to 720p (1280x720)</td>
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<tr>
<td><strong>Frame rate</strong></td>
<td>30/25 (NTSC/PAL) fps in up to D1 resolution for all compression standards. Up to 15 fps in 720p resolution in Motion JPEG</td>
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</tbody>
</table>

### Video streaming

- **One stream**

### Video output

- NTSC 720x480, PAL 720x576
- VGA (60/75 Hz) 640x480
- S-VGA (60/75 Hz) 800x600
- HDTV 720p 1280x720

### Serial commands

- Forwarding of serial commands

### Audio

- **Audio streaming**: One way
- **Audio compression**: AAC-LC 8 kHz 32 kbit/s, 16 kHz 64 kbit/s (AAC audio included in a later firmware release) G.711 PCM 8 kHz 64 kbit/s G.726 ADPCM 8 kHz 32 or 24 kbit/s
- **Audio input/output**: Line output

### Network

- **Security**: Password protection, IP address filtering, HTTPS* encryption, IEEE 802.1x* network access control, digest authentication, user access log
- **Supported protocols**: IPv4/v6, HTTP, HTTPS*, FTP, SMTP,Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SSL/TLS*

### System integration

- **Application**: Open API for software integration, including VAPIX® from Axis Communications
- **Programming Interface**: Axis Communications available at www.axis.com
- **Alarm triggers**: VAPIX alarm API
- **Alarm events**: Notification via email

### General

- **Casing**: Metal casing. Standalone or wall mount
- **Processor and memory**: TI DM6443, 128 MB RAM, 128 MB Flash
- **Power**: 8-20 V DC, max. 8.3 W Power over Ethernet IEEE 802.3af Class 3
- **Connectors**: RCA composite video output DVI-I (digital and analog) output RJ-45 10BASE-T/100BASE-TX PoE DC terminal block: power in 8-20 V DC, max. 8.3 W, I/O terminal block: 1 digital input for video selector and power output only RS-485/ RS-422 terminal block 3.5 mm audio line output, mono
- **Operating conditions**: 0–50 °C (32–122 °F) Humidity 20–80% RH (non-condensing)
- **Approvals**: EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003, VCCI Class B, AS/NZS CISPR 22, EN 60950-1, KCC
- **Weight**: 318 g (0.70 lb.)

### Included accessories


*This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. ([www.openssl.org](http://www.openssl.org))

More information is available at [www.axis.com](http://www.axis.com)

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