AXIS 216FD/216FD-V Network Cameras
Discreet cameras for demanding indoor video surveillance.

AXIS 216FD-V is a discreet fixed dome network camera specifically adapted for indoor environments potentially exposed to vandalism. AXIS 216FD has a lighter, tamper-resistant casing and is also suitable for indoor video surveillance. AXIS 216FD Network Cameras are easy to install, allowing flexible mounting on wall or ceiling.

Simultaneous MPEG-4 and Motion JPEG video streams allow for optimization of image quality and bandwidth efficiency.

With two-way audio support, AXIS 216FD and AXIS 216FD-V allow remote users to not only view but also listen to and communicate with visitors and intruders.

The event management capabilities ensure efficient use of the cameras in the network video system. This includes video motion detection, audio detection, active tampering alarm and alarm buffering.
### Technical specifications – AXIS 216FD/216FD-V Network Cameras

#### Video
- **Camera Models**
  - AXIS 216FD: Tamper-resistant casing
  - AXIS 216FD-V: Vandal-resistant casing
- **Image sensor**
  - 1/4" Progressive scan RGB CMOS
- **Lens**
  - Varifocal 2.8 – 10 mm, F1.3, DC-iris
- **Angle of view**
  - 20° – 73° horizontal
- **Minimum illumination**
  - 1 lux, F1.3
- **Shutter time**
  - 1/15000 s to 1/4 s
- **Camera angle adjustment**
  - Pan 360°, tilt 170°, rotation 340°
- **Video compression**
  - MPEG-4 Part 2 (ISO/IEC 14496-2)
  - Motion JPEG
- **Resolutions**
  - 160x120 - 640x480
- **Frame rate**
  - MPEG-4: Up to 30 fps in VGA
  - Motion JPEG: Up to 30 fps in VGA
- **Video streaming**
  - Simultaneous MPEG-4 and Motion JPEG
  - Controllable frame rate and bandwidth
  - VBR/CBR MPEG-4
- **Image settings**
  - Compression, color, brightness, sharpness, white balance, exposure control, rotation, fine tuning of behavior at low light
  - Text and image overlay
  - Privacy mask

#### Audio
- **Audio streaming**
  - Two-way, half-duplex
- **Audio compression**
  - AAC LC 8 kHz
  - G.711 PCM 8 kHz
  - G.726 ADPCM 8 kHz
- **Configurable bit rate**
- **Audio input/output**
  - Built-in microphone, external microphone input or line input, line level output

#### Network
- **Security**
  - Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, user access log
- **Supported protocols**
  - IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1,v2c,v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
- **System integration**
  - Application Programming Interface
  - Open API for software integration, including VAPIX® from Axis Communications available at www.axis.com
  - Intelligent video
  - Video motion detection, active tampering alarm, audio detection
  - Alarm triggers
  - Intelligent video and external input
  - Alarm events
  - File upload via FTP, HTTP and email
  - Notification via email, HTTP and TCP
  - External output activation
  - Video buffer
  - 9 MB pre- and post alarm

#### General
- **Casing**
  - AXIS 216FD: Tamper-resistant casing
  - AXIS 216FD-V: 1000 kg (2200 lb.) impact-resistant casing
- **Processors and memory**
  - ARTPEC-A, 32MB RAM, 8MB Flash
- **Power**
  - 4.9 – 5.1 V DC max 3.6 W
  - Power over Ethernet IEEE 802.3af Class 1
- **Connectors**
  - RJ-45 10BASE-T/100BASE-TX PoE, DC jack
  - Terminal block for 1 alarm input and 1 output
  - 3.5 mm mic/line in, 3.5 mm line out
- **Operating conditions**
  - 0 – 50 °C (32 – 122 °F)
  - Humidity 20 – 80% RH (non-condensing)
- **Approvals**
  - EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, FCC Part 15 Subpart B Class B, VCCI Class B, ICES-003 Class B, C-tick AS/NZS CISPR 22, EN 60950-1
  - Power supply: EN 60950-1, UL, CSA
- **Weight**
  - AXIS 216FD: 425 g (0.94 lb.)
  - AXIS 216FD-V: 580 g (1.28 lb.)
- **Included accessories**

More information is available at www.axis.com

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