AXIS 216FD/216FD-V Network Cameras

Discreet cameras for demanding indoor video surveillance.

> Discreet and compact design

> Simultaneous MPEG-4 and Motion JPEG

> Two-way audio

> Power over Ethernet

> Powerful event management

The AXIS 216FD family offers a choice of professional networked fixed dome solutions for exposed indoor locations. Compact and discreet, they are ideal for the indoor surveillance of retail stores, schools, prisons, banks and other office buildings.

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.
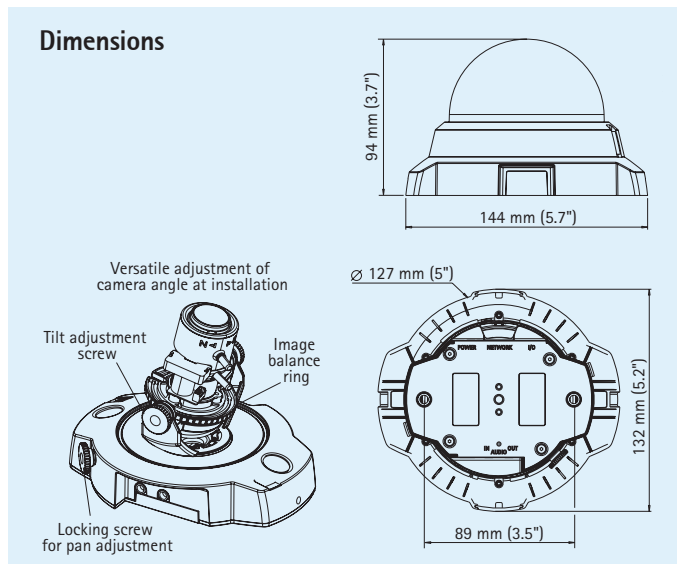
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Technical specifications – AXIS 216FD/216FD–V Network Cameras

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	
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
Frame rate 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	Power supply, mounting and connector kits, Installation Guide, CD with installation tools, recording software and User's Manual, Windows decoder 1-user license

More information is available at www.axis.com

Dimensions

94 mm (3.7")
144 mm (5.7")

Versatile adjustment of camera angle at installation

Tilt adjustment screw

Image balance ring

Locking screw for pan adjustment

Ø 127 mm (5")
132 mm (5.2")
89 mm (3.5")

Optional accessories

Drop-ceiling mount kit, transparent or smoked cover

Optional casings with smoked cover or black casing

Various mounting kits

For information on AXIS Camera Station and video management software from Axis' Application Development Partners, see www.axis.com/products/video/software/

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