AXIS 216MFD/216MFD-V Network Cameras

Discreet video surveillance with exceptional image detail.

> Discreet and compact design

> Megapixel resolution

> Simultaneous MPEG-4 and Motion JPEG

> Power over Ethernet

> Two-way audio

AXIS 216MFD Network Cameras offer high-performance, fixed dome solutions for exposed indoor locations. Compact, discreet and with megapixel resolution, they are ideal for indoor video surveillance of areas such as retail stores, schools, airports, banks and government buildings.

The vandal-resistant AXIS 216MFD-V, and AXIS 216MFD with its tamper-resistant casing, are fixed domes specifically adapted for discreet video surveillance in exposed indoor environments.

Thanks to the 1.3 megapixel progressive scan sensor and advanced image processing, AXIS 216MFD Network Cameras deliver crisp and clear images, perfect for the identification of objects and persons.

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

Power over Ethernet (IEEE 802.3af) supplies power to the cameras via the network, which eliminates the need for power cables and reduces installation costs.

Two-way audio support allows remote users to listen in on an area and communicate with visitors or intruders.
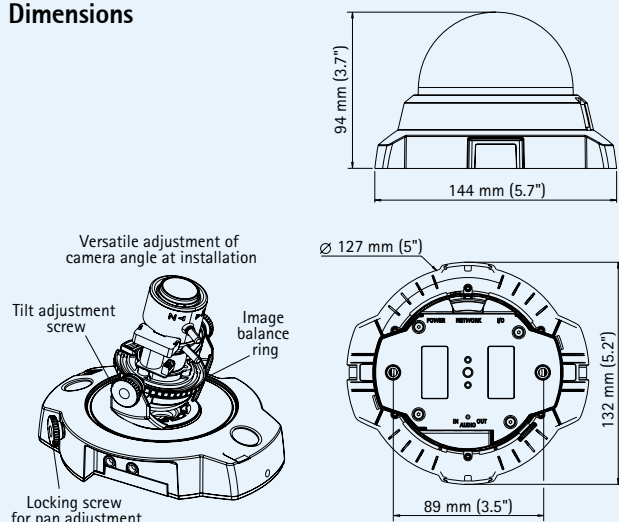
Technical specifications – AXIS 216MFD/216MFD-V Network Cameras

Camera

Models	**AXIS 216MFD:** Tamper-resistant casing **AXIS 216MFD-V:** Vandal-resistant casing
Image sensor	1/3" Progressive scan RGB CMOS 1.3 Megapixel
Lens	Varifocal 2.8 –10 mm, F1.3, DC-iris Angle of view: 27°–100° horizontal
Minimum illumination	2 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	160 x 90 –1280 x 1024
Frame rate MPEG-4	Up to 8 fps at 1280 x 1024, 13 fps at 1024 x 768, 20 fps at 800 x 600
Frame rate Motion JPEG	Up to 12 fps at 1280 x 1024, 20 fps at 1024 x 768, 30 fps at 800 x 600
Video streaming	Simultaneous Motion JPEG and MPEG-4 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	20 MB pre- and post alarm

General

Casing	**AXIS 216MFD:** Tamper-resistant casing **AXIS 216MFD-V:** 1000 kg (2200 lb.) impact-resistant casing
Processors and memory	ARTPEC-A, 64 MB RAM, 8 MB Flash
Power	4.9 – 5.1 V DC max 3.8 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 ºC (32 –122 ºF) Humidity 20 – 80% RH (non-condensing)
Storage conditions	–20 – 70 ºC (-4 –158 ºF)
Approvals	EN 55022 Class B, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, C-tick AS/NZS CISPR 22, EN 60950-1 Power supply: EN 60950-1, UL, CSA
Weight	**AXIS 216MFD:** 425 g (0.94 lb.) **AXIS 216MFD-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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