

# AXIS 225FD Fixed Dome Network Camera

## *Professional video surveillance in tough conditions*

The AXIS 225FD Fixed Dome Network Camera is a high-performance camera for professional surveillance and remote monitoring. Its discreet, vandal-resistant and outdoor-proof design provides maximum protection in tough environmental conditions. The built-in heater and fan protect against low temperatures and help prevent the glass from misting over. Supported by the industry's largest base of video management software, the AXIS 225FD provides the perfect solution for securing schools, railway stations, car park buildings and other facilities over the local area network or across the Internet.

The compact and cost-efficient design enables easy and flexible installation with tamper-proof mounting on wall or ceiling. It allows for versatile adjustment by panning, tilting and rotating the varifocal lens to any camera angle desired.

The built-in Power over Ethernet (IEEE 802.3af) support enables power to the camera to be delivered via the network, eliminating the need for a power outlet and reducing installation costs. In addition, the consolidation of power gives higher reliability if connected to a central Uninterruptible Power Supply (UPS). The AXIS 225FD also offers a comprehensive set of network security features such as multi-level password protection, IP address filtering and HTTPS encryption.

The AXIS 225FD features an automatically removable infrared cut filter, which enables color video in high and low light conditions as well as IR sensitive black/white video at night. Thanks to the high-quality lens, progressive scan CCD sensor and advanced image processing, this camera delivers crisp, clear images even of objects moving at high speed in the dark.



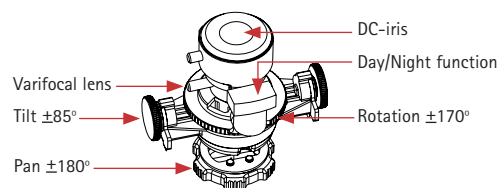
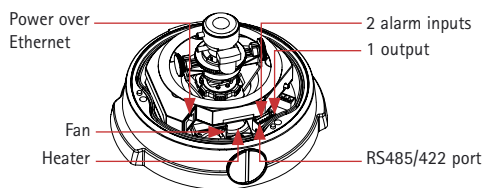
- Vandal-resistant, outdoor-proof design for maximum protection
- Superior image quality with progressive scan and Day/Night function
- Power over Ethernet for reduced cabling and consolidated power
- Simultaneous Motion JPEG and MPEG-4 for optimized quality and bandwidth
- Up to 30 frames per second in VGA 640x480 resolution
- Multi-window motion detection with alarm image buffering

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## Specifications

<b>Models</b>	AXIS 225FD Also available bundled with outdoor power supply	<b>Operating conditions</b>	Camera, Heater powered: -20 – 50 °C (-4 – 122 °F) Heater not powered: 0 – 50 °C (32 – 122 °F) Indoor power supply: 0 – 50 °C (32 – 122 °F) Humidity 20 – 80% RH (non condensing)
<b>Image sensor</b>	1/4" Sony Wfine progressive scan RGB CCD	<b>Temperature warning</b>	Warning issued when temperature is below or above limits
<b>Lens</b>	Pentax QD2V2814BE-DN, F1.4 varifocal 2.8 – 5.8 mm, DC-iris, horizontal viewing angle: 75°-36° focus range: 0.3 m to infinity	<b>Installation, management and maintenance</b>	AXIS Camera Management tool on CD and web-based configuration, configuration of backup and restore Firmware upgrades over HTTP or FTP, firmware available at <a href="http://www.axis.com">www.axis.com</a>
<b>Camera angle adjustment</b>	pan ±180°, tilt ±85°, rotation ±170°	<b>Video access from Web browser</b>	Camera live view, sequence tour capability for up to 20 Axis video sources, customizable HTML pages
<b>Minimum illumination</b>	Color mode: 1 lux at F1.4 Black/white mode: 0.2 lux at F1.4	<b>Minimum Web browsing requirements</b>	Pentium III CPU 500 MHz or higher, or equivalent AMD 128 MB RAM AGP graphic card, Direct Draw, 32 MB RAM Windows XP, 2000, NT4.0*, ME* or 98*, DirectX 9.0 or later Internet Explorer 5.x or later  <i>* Motion JPEG only</i>
<b>Video compression</b>	Motion JPEG MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP	<b>System integration support</b>	Powerful API for software integration available at <a href="http://www.axis.com">www.axis.com</a> including HTTP API, AXIS Media Control SDK, event trigger data in video stream, embedded scripting and access to serial port peripherals over TCP Watchdog secures continuous operation, can be monitored by other systems via event notification Embedded operating system: Linux 2.4
<b>Resolutions</b>	16 resolutions from 640x480 to 160x120 via API, 5 selections via configuration web page	<b>Supported protocols</b>	IP, HTTP, HTTPS, SSL/TLS*, TCP, ICMP, SNMPv1/v2c/v3 (MIB-II), RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, DHCP, UPnP, ARP, DNS, DynDNS, SOCKS, NTP etc.  <i>* This product includes software developed by the Open SSL Project for use in the Open SSL Tool kit (<a href="http://www.openssl.org">www.openssl.org</a>)</i>
<b>Frame rate</b>	Motion JPEG: Up to 30 frames per sec in all resolutions MPEG-4: Up to 30 frames per sec in 480x360 or lower	<b>Video management software (not incl.)</b>	AXIS Camera Station - Surveillance application for viewing, recording and archiving up to 25 cameras AXIS Camera Explorer - Basic software for viewing and manual recording
<b>Video streaming</b>	Simultaneous Motion JPEG and MPEG-4 Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4)	<b>Included accessories</b>	Installation Guide, CD with User's Manual, demo software, installation and management tools, connector kit, MPEG-4 licenses (1 encoder, 1 decoder), MPEG-4 decoder (Windows), indoor power supply PS-K: 9 V DC, 9 W (for powering camera and fan)
<b>Image settings</b>	Compression levels: 11 (Motion JPEG)/23 (MPEG-4) Rotation: 90°, 180°, 270° Configurable color level, brightness, sharpness, contrast, white balance, exposure control, exposure area, backlight compensation, fine tuning of behavior at low light Overlay capabilities: time, date, text, privacy mask or image	<b>Accessories (not incl.)</b>	Drop ceiling mount bracket, smoked dome glass AXIS PS-24 outdoor power supply Power over Ethernet midspans AXIS 292 Network Video Decoder AXIS MPEG-4 Decoder 10 user license pack
<b>Shutter time</b>	2 sec to 1/12500 sec	<b>Approvals</b>	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3, EN61000-6-1, EN61000-6-2, FCC Part 15 Subpart B Class B, VCCI Class B, C-tick AS/NZS 3548, ICES-003 Class B, EN60950 UL, CSA (indoor power supply)
<b>Security</b>	Multiple user access levels with password protection, IP address filtering, HTTPS encryption	<b>Dimensions and weight</b>	Height: 115 mm (4 1/2"), diameter: 175 mm (6 1/8") Weight: 1250 g (2 3/4 lbs) excl. power supply
<b>Users</b>	20 simultaneous users Unlimited number of users using multicast (MPEG-4)		
<b>Alarm and event management</b>	Events triggered by built-in multi-window motion detection, external inputs or according to a schedule Image upload over FTP, email and HTTP Notification over TCP, email, HTTP and external output Pre- and post alarm buffer of 9 MB (approx 5 min of 320x240 resolution video at 4 frames per sec)		
<b>Connectors</b>	Ethernet 10BaseT/100BaseTX, RJ-45 Terminal block for 2 alarm inputs, 1 output, RS-485/422 half duplex port and power connection		
<b>Casing</b>	IP66-rated, 1000 kg (2200 lbs) impact-resistant casing Polycarbonate clear dome glass, metal base Tamper-proof mounting		
<b>Processors, memory and clock</b>	CPU: ETRAX 100LX 32bit Video processing and compression: ARTPEC-2 RAM: 32 MB, Flash: 8 MB Battery backed-up real-time clock		
<b>Power</b>	Camera, heater and fan: 12 V DC, max 20 W 24 V AC, max 25 VA Camera and fan: 9-24 V DC, max 5.5 W 10-24 V AC, max 8 VA Power over Ethernet (IEEE 802.3af) with power classification according to Class 2 Heater only (can be powered separately when camera and fan are powered over Ethernet): 12 V DC, max 15 W 24 V AC, max 17 VA		



**INFORMATION & IMAGE MANAGEMENT SYSTEMS, S.A.**  
Valencia, 279, 7ª planta  Tel. (34) 93 272 33 00  
08009 Barcelona (España) Fax (34) 93 487 39 00  
<http://www.ims.es> e-mail: [info@ims.es](mailto:info@ims.es)

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