

# AXIS 225FD

## Fixed Dome Network Camera

*Professional video surveillance  
in tough conditions*

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 progressive scan sensor together with automatic removable infrared filter delivers crisp and clear images day and night. Supported by the industry's largest base of video management software, 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.

AXIS 225FD allows for powerful event management with multiwindow motion detection, camera tampering and I/O (input/output) for connecting devices such as external relays and sensors to activate lights or open/close doors. Pre- and post-image alarm buffering secures images just before and after an alarm.

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. AXIS 225FD offers the highest degree of security by using multiple, password-protected user access levels, IP address filtering, HTTPS encryption and IEEE 801.X network access control.

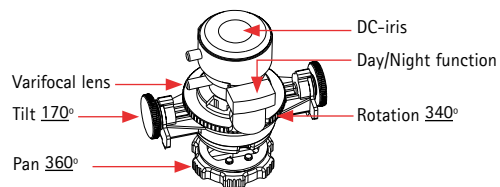
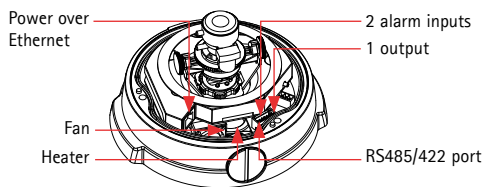


- Vandal-resistant, outdoor-proof design for maximum protection
- Superior image quality with progressive scan and Day/Night function
- Power over Ethernet for reduced cabling and consolidated power
- Simultaneous Motion JPEG and MPEG-4 for optimized quality and bandwidth
- Up to 30 frames per second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

# AXIS 225FD Fixed Dome Network Camera



| Specifications                                  |  |
|---|--|
| <b>Image sensor</b>                             | 1/4" Sony Wfine progressive scan RGB CCD   |
| <b>Lens</b>                                     | Pentax QD2V2814BE-DN, F1.4 varifocal 2.8 – 5.8 mm, DC-iris, auto day/night, focus range: 0.3 m to infinity   |
| <b>Angle of view</b>                            | Horizontal: 36° – 75°  |
| <b>Camera angle adjustment</b>                  | Pan 360°, tilt 170°, rotation 340°   |
| <b>Minimum illumination</b>                     | Color mode: 1 lux at F1.4<br>Black/white mode: 0.2 lux at F1.4   |
| <b>Video compression</b>                        | Motion JPEG<br>MPEG-4 Part 2 (ISO/IEC 14496-2), Profiles: ASP and SP   |
| <b>Resolutions</b>                              | 16 resolutions from 640x480 to 160x120 via API, 5 selections via configuration web page  |
| <b>Frame rate</b>                               | Motion JPEG: Up to 30 fps in all resolutions<br>MPEG-4: Up to 30 fps in all resolutions  |
| <b>Video streaming</b>                          | Simultaneous Motion JPEG and MPEG-4<br>Controllable frame rate and bandwidth<br>Constant and variable bit rate (MPEG-4)  |
| <b>Image settings</b>                           | Compression levels: 11 (Motion JPEG)/23 (MPEG-4)<br>Rotation: 90°, 180°, 270°<br>Configurable color level, brightness, sharpness, contrast, white balance, exposure control, exposure area, backlight compensation, fine tuning of behavior at low light<br>Overlay capabilities: time, date, text, privacy mask or image  |
| <b>Shutter time</b>                             | 2 sec to 1/12500 sec   |
| <b>Security</b>                                 | Multiple user access levels with password protection, IP address filtering, HTTPS encryption, IEEE 802.1X Network authentication, user access log  |
| <b>Users</b>                                    | 20 simultaneous users<br>Unlimited number of users using multicast (MPEG-4)  |
| <b>Alarm and event management</b>               | Events triggered by video motion detection, camera tampering, temperature limits, external inputs or according to a schedule<br>Image upload over FTP, email and HTTP<br>Notification over TCP, email, HTTP and external outputs<br>9 MB of pre-and post alarm buffer  |
| <b>Connectors</b>                               | Ethernet 10BaseT/100BaseTX (PoE)<br>Terminal block for 2 alarm inputs, 1 output, RS-485/422 half duplex port and power   |
| <b>Casing</b>                                   | Metal base and polycarbonate clear dome glass<br>Impact-resistant 1000 kg (2200 lbs)<br>IP66 environmental protection, tamper-proof mounting   |
| <b>Processors, memory and clock</b>             | CPU: ETRAX 100LX 32bit<br>Video processing and compression: ARTPEC-2<br>Memory: 32 MB RAM, 8 MB Flash<br>Battery backed-up real-time clock   |
| <b>Power</b>                                    | Camera and built-in fan: 9–24 V DC, max 5.5 W<br>10–24 V AC, max 8 VA<br>PoE (IEEE 802.3af) Class 2<br>When using the built-in heater: 12 V DC, max 20 W<br>24 V AC, max 25 VA   |
| <b>Operating conditions</b>                     | 5 – 50 °C (41 – 122 °F)<br>With heater: -20 – 50 °C (-4 – 122 °F)<br>Humidity 20 – 80% RH (non condensing)<br>Alarm is activated when temperature is below or above limits   |
| <b>Installation, management and maintenance</b> | AXIS Camera Management tool on CD and web-based configuration<br>Configuration of backup and restore<br>Firmware upgrades over HTTP or FTP, firmware available at <a href="http://www.axis.com">www.axis.com</a>   |
| <b>Video access from web browser</b>            | Camera live view, video recording to file (ASF), sequence tour for up to 20 Axis video sources, customizable HTML pages  |
| <b>Minimum web browsing requirements</b>        | Pentium III CPU 500 MHz or higher, or equivalent AMD, 128 MB RAM, AGP graphics card 32 MB RAM, Direct Windows XP, 2000, DirectX 9.0 or later Internet Explorer 6.x or later<br><br>For other operating systems and browsers see <a href="http://www.axis.com/techsup">www.axis.com/techsup</a>   |
| <b>System integration support</b>               | Open API for software integration available at <a href="http://www.axis.com">www.axis.com</a> , including AXIS VAPIX API, AXIS Media Control SDK, event trigger data in video stream and access to serial port peripherals over TCP.<br>Quality of Service (QoS) Layer 3, DiffServ Model.<br>Embedded operating system: Linux  |
| <b>Supported protocols</b>                      | IPv4/v6, HTTP, HTTPS, SSL/TLS*, TCP, SNMPv1/v2c/v3 (MIB-II), RTSP, RTP, UDP, IGMP, RTCP, SMTP, FTP, ICMP DHCP, NTP, UPnP, Bonjour, ARP, DNS, DynDNS, SOCKS, IEEE802.1X. More information on protocol usage available at <a href="http://www.axis.com">www.axis.com</a><br><br><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>Included accessories</b>                     | Power supply 9 V DC, 9 W (indoor), cable gland, connector kit, Installation Guide, CD with User's Manual, software, installation and management tools<br>MPEG-4 licenses (1 encoder, 1 decoder)<br>MPEG-4 decoder (Windows)  |
| <b>Video management software (not incl.)</b>    | AXIS Camera Station – Surveillance application for viewing, recording and archiving up to 25 cameras<br><br>See <a href="http://www.axis.com/partner/adp_partners.htm">www.axis.com/partner/adp_partners.htm</a> for more software applications via partners   |
| <b>Accessories (not incl.)</b>                  | Drop ceiling mount bracket, pendant mounting kit, smoked transparent cover, outdoor power supply*<br>Power over Ethernet midspans<br>AXIS 292 Network Video Decoder<br>MPEG-4 multi-user license pack<br><i>*required for outdoor installation</i>   |
| <b>Approvals</b>                                | 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 3548, EN 60950-1<br>Power supply: EN 60950, UL, cUL  |
| <b>Dimensions and weight</b>                    | Height: 115 mm (4.5"), diameter: 175 mm (6.9")<br>1.3 kg (2.8 lbs) excl. power supply  |



[www.axis.com](http://www.axis.com)

