AXIS 233D Network Dome Camera

High-speed dome camera with progressive scan and 35x zoom.

> **35x zoom**

> **Area zoom**

> **Progressive scan**

> **Electronic image stabilizer**

> **Wide dynamic range**

> **Auto-tracking**

AXIS 233D Network Dome Camera provides exceptional features such as progressive scan, 35x optical zoom, and fast and precise pan/tilt mechanics for superb performance and image quality. AXIS 233D is designed for use in demanding security installations such as airports, casinos, stadiums and ports.

AXIS 233D's powerful zoom capabilities (35x optical and 12x digital zoom) enable distant objects to be monitored in sharp detail. Its unique area zoom feature enables immediate zoom to any desired part of a scene.

Other factors also contribute to the camera's high image quality. They include progressive scan, which provides full resolution images of moving objects without distortion; Electronic Image Stabilizer (EIS), which reduces the effect of vibrations caused by traffic or wind; and 128x Wide Dynamic Range (WDR), which ensures high-quality video even in complex lighting conditions.

The camera's intelligent video capabilities include video motion detection, audio detection and auto-tracking. With auto-tracking, a moving object within the camera's field of view can be automatically detected and followed. This is particularly beneficial in unmanned video surveillance setups with automated recording.

AXIS 233D offers highly precise and responsive pan/tilt performance. Its low speed movement of 0.05° per second makes it possible to follow an object from a long distance, while its maximum speed of 450° per second allows for extremely fast pan and tilt.
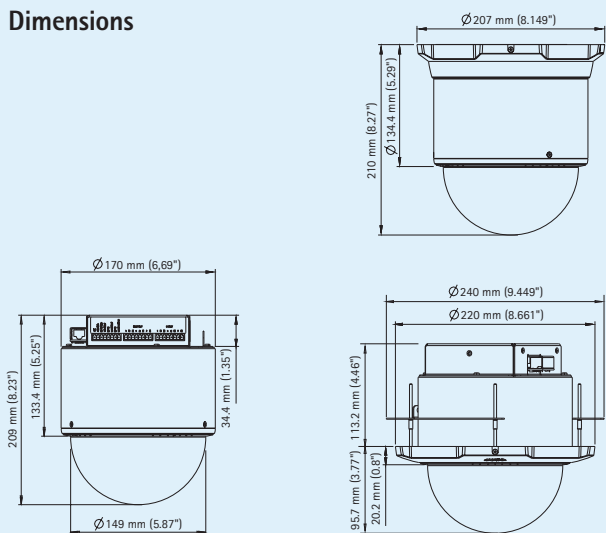
Technical specifications – AXIS 233D Network Dome Camera

Camera

Models	AXIS 233D Network Dome Camera 60 Hz (NTSC) AXIS 233D Network Dome Camera 50 Hz (PAL)
Image sensor	¼" ExView HAD Progressive scan CCD
Lens	3.4 – 119 mm, F1.4 – 4.2, autofocus, automatic day/night, horizontal angle of view: 1.73° - 55.8°
Minimum illumination	Color: 0.5 lux at 30 IRE B/W: 0.008 lux at 30 IRE
Shutter time	NTSC: 1/30 000 s – 0.5 s PAL: 1/30 000 s – 1.5 s
Pan/Tilt/Zoom	E-flip 100 preset positions Pan: 360° endless, 0.05 – 450°/s Tilt: 180°, 0.05 – 450°/s 35x optical zoom and 12x digital zoom, total 420x zoom Guard tour Control queue

Video

Video compression	MPEG-4 Part 2 (ISO/IEC 14496-2) Motion JPEG
Resolutions	NTSC: 704x480 - 176x120 PAL: 704x576 - 176x144
Frame rate MPEG-4	Up to 30/25 fps in all resolutions
Frame rate Motion JPEG	Up to 30/25 fps in all resolutions
Video streaming	Simultaneous MPEG-4 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR MPEG-4
Image settings	Wide Dynamic Range (WDR), Electronic Image Stabilization (EIS), manual shutter time, compression, color, brightness, sharpness, rotation, aspect ratio correction Text and image overlay Privacy mask

Audio

Audio streaming	Two-way, full or half duplex
Audio compression	G.711 PCM 64 kbit/s G.726 ADPCM 32 or 24 kbit/s
Audio input/ output	External microphone input or line input, line level output

Network

Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, 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, audio detection, auto-tracking
Alarm triggers	Intelligent video, external input, PTZ position
Alarm events	File upload via FTP, HTTP and email Notification via email, HTTP and TCP External output activation PTZ position
Video buffer	36 MB pre-and post alarm

General

Casing	Metal casing, polycarbonate dome cover
Processors and memory	ETRAX FS, ARTPEC-2, 64 MB RAM, 8 MB Flash
Power	22 - 40 V DC, max. 20 W 18 - 30 V AC, max. 25 VA
Connectors	RJ-45 for 10BASE-T/100BASE-TX Three terminal blocks for 4 alarm inputs and 4 outputs, power in, power out audio mic/line in, audio line out
Operating conditions	–5 °C to 45 °C (23 °F to 113 °F) Humidity 20 - 80% RH (non-condensing)
Approvals	EN 55022 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, VCCI Class B, C-tick AS/NZS CISPR22, ICES-003 Class B, EN 60950-1 Power supply: EN 60950-1, PSE, TUV/GS, cUL, CE, CB, SAC
Weight	2.5 kg (5.5 lb.)
Included accessories	Installation Guide, CD with User's Manual, recording software, installation and management tools, mounting and connector kits, indoor power supply, clear and smoked dome covers, Windows decoder 1-user license

More information is available at www.axis.com

Dimensions

⌀207 mm (8.149")
210 mm (8.27")
⌀134.4 mm (5.29")

⌀170 mm (6,69")
209 mm (8.23")
133.4 mm (5.25")
34.4 mm (1.35")
⌀149 mm (5.87")

⌀240 mm (9.449")
⌀220 mm (8.661")
113.2 mm (4.46")
95.7 mm (3.77")
20.2 mm (0.8")

Optional accessories

AXIS T95A Series Dome Housing

Power supply*
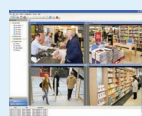
*recommended for AXIS T95A10 Dome Housing

AXIS 295 Video Surveillance Joystick

High PoE products

AXIS T90A Illuminators

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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