AXIS Q3505-VE Mk II

Outdoor-ready & robust with exceptional HDTV 1080p video quality

AXIS Q3505-VE Mk II is a robust, vandal-resistant fixed dome for demanding outdoor installations. Its top-quality image sensor and enhanced processing with Lightfinder technology provide exceptional light sensitivity and Wide Dynamic Range - Forensic Capture. Electronic image stabilization is instrumental when the camera is subject to vibration, resulting in smoother and steadier video. The camera is easy to install with smart conduit connection and cable management, as well as remote zoom and focus that eliminates the need for hands-on fine tuning. It is ideal for identification of people, objects and vehicles in harsh environments and difficult light conditions.

> **Lightfinder and WDR – Forensic Capture**

> **HDTV 1080p at up to 60 fps or 720p up to 120 fps**

> **Axis Zipstream technology**

> **Electronic Image Stabilization**

> **IK10+ (50 joules) impact resistance**

AXIS Q3505-VE Mk II

Models	AXIS Q3505-VE Mk II 9 mm AXIS Q3505-VE Mk II 22 mm

Camera

Image sensor	Progressive scan RGB CMOS 1/2.8"
Lens	Varifocal, Remote focus and zoom, P-Iris control, IR corrected **9 mm:** 3–9 mm, F1.3 Horizontal field of view: 105°–36° Vertical field of view: 57°–21° **22 mm:** 9–22 mm, F1.6 Horizontal field of view: 36°–15° Vertical field of view: 19°–9°
Day and night	Automatically removable infrared-cut filter
Minimum illumination	**9 mm: HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder:** Color: 0.11 lux at 50 IRE, F1.3; B/W: 0.02 lux at 50 IRE, F1.3 **HDTV 1080p 50/60 fps:** Color: 0.22 lux at 50 IRE, F1.3; B/W: 0.04 lux at 50 IRE, F1.3 **22 mm: HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder:** Color: 0.17 lux at 50 IRE, F1.6; B/W: 0.03 lux at 50 IRE, F1.6 **HDTV 1080p 50/60 fps:** Color: 0.34 lux at 50 IRE, F1.6; B/W: 0.06 lux at 50 IRE, F1.6
Shutter time	1/143000 to 2 s
Camera angle adjustment	**Pan:** 360° **Tilt:** -5° to 80° (0° = lens directed at a right angle to camera base) **Rotation:** ±95°

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution	1920x1080 to 160x90
Frame rate	**HDTV 1080p (1920x1080) with WDR:** 25/30 fps with power line frequency 50/60 Hz **HDTV 1080p (1920x1080) without WDR:** Up to 50/60 fps with power line frequency 50/60 Hz **HDTV 720p (1280x720) without WDR:** Up to 100/120 fps with power line frequency 50/60 Hz
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/MBR H.264
Multi-view streaming	8 individually cropped-out view areas
Pan/Tilt/Zoom	Digital PTZ, Optical zoom, Preset positions **9 mm:** 3x Optical zoom, 2x Digital zoom **22 mm:** 2.4x Optical zoom, 2x Digital zoom
Image settings	Scene profiles, compression, color, brightness, sharpness, contrast, local contrast, white balance, exposure control, defogging, exposure zones, fine tuning of behavior at different light levels, WDR – forensic capture: up to 120 dB depending on scene, electronic image stabilization, barrel distortion correction, text and image overlay, privacy masks, mirroring of images, rotation: 0°, 90°, 180°, 270°, auto, including corridor format

Audio

Audio streaming	Full-duplex
Audio compression	24–bit LPCM 48 kHz, AAC LC 8/16/32/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8kHz, Opus 8/16/48 kHz Configurable bitrate
Audio input/output	Input for external microphone or line-level device Line output

Network

Security	Password protection, IP address filtering, IEEE 802.1X network access control[a], HTTPS[a] encryption, digest authentication, user access log, centralized certificate management, brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS, SSL/TLS[a], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com* AXIS Guardian with One-Click Connection ONVIF Profile S and ONVIF Profile G, specification at *onvif.org*
Analytics	**Included** AXIS Video Motion Detection, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, active tampering alarm, audio detection, gatekeeper **Supported** AXIS Perimeter Defender, AXIS Digital Autotracking Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Analytics, external input, edge storage events, shock detection
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text, external output activation, play audio clip, zoom preset
Data streaming	Event data
Built-in installation aids	Remote zoom, remote focus, pixel counter, leveling assistant, autorotation, straighten image

General

Casing	IP66-, IP67-, IP6K9K- and NEMA 4X-rated, IK10+ (50 joules) impact-resistant casing with polycarbonate hard-coated dome, aluminum base and dehumidifying membrane Encapsulated electronics, captive screws Color: White NCS S 1002-B For repainting instructions of casing or skin cover and impact on warranty, contact your Axis partner.
Mounting	Mounting bracket with holes for junction boxes (double-gang, single-gang, 4" square, and 4" octagon) and for ceiling and wall mounting ¾" (M25) conduit side entry
Sustainability	PVC-free
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3, typical 4.8 W, max 11.7 W When using the optional AXIS T8051 Power Converter AC/DC to DC: 8–28 V DC, typical 7.0 W, max 16.5 W 20–24 V AC, typical 15.8 VA, max 24.5 VA
Connectors	RJ45 10BASE-T/100BASE-TX PoE, terminal block for two configurable inputs/outputs (12 V DC output, max load 50 mA), 3.5 mm mic/line in, 3.5 mm line out
Storage	Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see *axis.com*
Operating conditions	-50 °C to 60 °C (-58 °F to 140 °F) Start-up: -40 °C to 60 °C (-40 °F to 140 °F) Humidity 10–100% RH (condensing)
Storage conditions	-40 °C to 65 °C (-40 °F to 149 °F)
Approvals	**EMC** EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, IEC/EN 61000-6-1, IEC/EN 61000-6-2, FCC Part 15, Subpart B, Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 22 Class A, KCC KN32 Class B, KN35 **Safety** IEC/EN/UL 60950-1, IEC/EN/UL 60950-22 **Environment** IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-60, IEC 60068-2-78, IEC 60068-2-52 EN 61000-3-2, EN 61000-3-3, IEC/EN 60529 IP66/67/69 NEMA 250 Type 4X, IEC/EN 62262 IK10+ (50J), ISO 20653 IP6K9K **Network**

	NIST SP500-267
Weight	1.8 kg (4.0 lb) with weathershield
Included accessories	Installation Guide, Windows decoder 1-user license, drill hole template, cable gaskets, I/O and DC connectors, connector guard, Resistorx® T20 L-key, mounting bracket
Optional accessories	AXIS Q35-VE Smoked Dome, AXIS T94M01D Pendant Kit, AXIS T94M01L Recessed Mount, AXIS Skin Cover B Black, Axis ACI Conduit Adapters, AXIS T8051 Power Converter AC/DC to DC, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power, Axis Mounts & Cabinets For more accessories, see *axis.com*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at *axis.com/vms*

Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see *axis.com/warranty*

a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (www.openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

axis.com/environmental-responsibility

AXIS®
COMMUNICATIONS