AXIS Q3505-V Mk II

Exceptional HDTV 1080p video quality

AXIS Q3505-V Mk II is a vandal-resistant fixed dome for demanding 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 impact resistance and IP52 dust and water protection
AXIS Q3505-V Mk II

Models
AXIS Q3505-V Mk II 9 mm
AXIS Q3505-V 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°–9.9"

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
1/140000 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.722 ADPCM 8 kHz, Opus 8/16 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, HTTPS encryption, digest authentication, user access log, centralized certificate management, brute force delay protection

Supported protocols
IP4, IPv6, USBv6, HTTP, HTTPS, SSL/TLS, DoS Layer 3 DiffServ, FTP, SFTP, CIFS/OSM, SMTP, Bonjour, UPnP/I, SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SIP, 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 G, ONVIF Profile S and ONVIF Profile T, 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/acs

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
IP52-rated, IK10 impact-resistant casing with polycarbonate 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
½" (M20) 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 2, typical 4.8 W, max 6.0 W

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/jack 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
-10 °C to 50 °C (14 °F to 122 °F)
Humidity 10–85% RH (non-condensing)

Storage conditions
-40 °C to 65 °C (-40 °F to 149 °F)

Approvals
EMC

Safety
IEC/EN/UL 60950-1
Environment
IEC/EN 60529 IP52, IEC/EN 62262 IK10

Network
NIST SP500-267

Weight
1.2 kg (2.6 lb)
<table>
<thead>
<tr>
<th>Included accessories</th>
<th>Installation Guide, Windows decoder 1-user license, drill hole template, cable gaskets, I/O and DC connectors, connector guard, Resistore® T20 L-key, mounting bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional accessories</td>
<td>AXIS Q35-V Smoked Dome, AXIS T94K01D Pendant Kit, AXIS T94K01L Recessed Mount, AXIS Skin Cover A Black, Axis ACI conduit adapters, AXIS Dome Microphone A, AXIS Dome Intrusion Switch B, AXIS Multicable B I/O Audio Power, Axis Mounts For more accessories, see axis.com</td>
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<tr>
<td>Video management software</td>
<td>AXIS Companion, AXIS Camera Station, video management software from Axis' Application Development Partners available at axis.com/vms</td>
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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