AXIS Q1726 Block Camera

4 MP, superior light sensitivity, enclosure-ready

Built on an Axis system-on-chip, this AI-powered camera delivers 4 MP resolution and includes a large 1/1.8" sensor to ensure consistent performance even in low-light. A deep learning processing unit lets you run advanced features and powerful analytics on the edge. Preinstalled with AXIS Object Analytics, this camera detects and counts objects. It also features AXIS Image Health Analytics for optimal performance, and AXIS Live Privacy Shield for AI-based dynamic masking. Axis Zipstream with support for AV1, H.264/H.265 significantly lowers bandwidth and storage requirements. It's available with a wide (4.7-10 mm) lens and fits into most enclosures including Axis and third-party enclosures.

- > Superior image quality in 4 MP
- > Designed to fit into most enclosures
- > Next-generation AI-powered analytics
- > Wide lens for open area surveillance
- > Built-in cybersecurity with Axis Edge Vault

FIPS-3 Inside 4679

AXIS Q1726 Block Camera

Camera

Image sensor
1/1.8" progressive scan RGB CMOS
Pixel size 2.9 µm

Lens
IR corrected, P-iris control
Varifocal, 4.7–10 mm, F1.1–1.2
Horizontal field of view: 101.8°–44°
Vertical field of view: 54°–24.6°
Minimum focus distance: 0.5 m (1.6 ft)

Day and night
Automatic IR-cut filter
Hybrid IR filter

Minimum illumination
With WDR and Lightfinder
Color: 0.01 lux at 50 IRE, F1.1–1.2
B/W: 0.002 lux at 50 IRE, F1.1–1.2

Shutter speed
1/49500 s to 2 s

System on chip (SoC)

Model
ARTPEC-9

Memory
4 GB RAM, 8 GB Flash

Compute capabilities
Deep learning processing unit (DLPU)

Video

Video compression
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
H.265 (MPEG-H Part 2/HEVC) Main Profile
Motion JPEG
AV1

Resolution
16:9: 2688x1512 to 640x360
16:10: 1920x1200 to 320x200
4:3: 2016x1512 to 160x120

Frame rate
With WDR: Up to 25/30 fps (50/60 Hz) in all resolutions
No WDR: Up to 100/120 fps (50/60 Hz) in all resolutions

Video streaming
Up to 20 unique and configurable video streams[1]
Axis Zipstream technology in H.264, H.265 and AV1
Controllable frame rate and bandwidth
VBR/ABR/MBR H.264/H.265/AV1
Low latency mode
Video streaming indicator

Signal-to-noise ratio
>55 dB

WDR
Forensic WDR: Up to 120 dB depending on scene

Multi-view streaming
Up to 7 individually cropped out view areas

Noise reduction
Spatial filter (2D noise reduction)
Temporal filter (3D noise reduction)

Image settings
Saturation, contrast, brightness, sharpness, white balance, day/night threshold, local contrast, tone mapping, exposure mode, exposure zones, defog, barrel distortion correction, electronic image stabilization, compression, rotation: auto, 0°, 90°, 180°, 270° including corridor format, mirroring, dynamic text and image overlay, overlay widget, privacy masks, target aperture
Scene profiles: forensic, vivid, traffic overview

Image processing
Forensic WDR, Lightfinder 2.0

Pan/Tilt/Zoom
Digital PTZ, optical zoom, preset positions, preset position tour
Uploadable PTZ driver (Pelco D, Visca and APTP pre-installed)

1. *We recommend a maximum of 3 unique video streams per camera or channel, for optimized user experience, network bandwidth, and storage utilization. A unique video stream can be served to many video clients in the network using multicast or unicast transport method via built-in stream reuse functionality.*

Audio

Features
Automatic gain control
10-band graphic equalizer for audio input
Speaker pairing, microphone pairing

Streaming
Configurable duplex:
One-way (simplex, half duplex)
Two-way (half duplex, full duplex)

Input
Input for external balanced or unbalanced microphone
Digital input, optional 12 V ring power
Balanced or unbalanced line input
Input through microphone pairing

Output
Output through speaker pairing

Encoding
AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz, LPCM 48 kHz

Network

Network protocols
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[2], HTTP/2, TLS[2], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, PTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

System integration

Application Programming Interface
Open API for software integration, including VAPIX®, metadata and AXIS Camera Application Platform (ACAP); specifications at *axis.com/developer-community*.
One-click cloud connection
ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S, and ONVIF® Profile T, specifications at *onvif.org*
Support for Voice over IP (VoIP) through the Session Initiation Protocol (SIP), using peer-to-peer (P2P) or Private Branch Exchange (PBX).

Video management systems
Compatible with AXIS Camera Station Edge, AXIS Camera Station Pro, AXIS Camera Station 5, and video management software from Axis' partners available at *axis.com/vms*.

Onscreen controls
Autofocus
Day-night shift
Defog
Electronic image stabilization
Enable-disable all privacy masks
Play media clip
Video streaming indicator
WDR

Edge-to-edge
Microphone pairing
Speaker pairing
Siren and light pairing

Event conditions
Audio: audio detection
Casing open
Device status: above/below/within operating temperature, IP address blocked, IP address removed, live stream active, network lost, new IP address, system ready, ring power overcurrent protection, shock detected
Digital audio: digital signal contains Axis metadata, digital signal has invalid sample rate, digital signal missing, digital signal okay
Edge storage: recording ongoing, storage disruption, storage health issues detected
I/O: digital input, manual trigger, virtual input
MQTT: stateless
Scheduled and recurring: schedule
Video: average bitrate degradation, day-night mode

Event actions
Day-night mode
Defog
Guard tour
I/O
LEDs
MQTT
Notification: HTTP, HTTPS, TCP and email
Overlay text
Recordings
Security
SNMP trap messages
Images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email
WDR mode

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

Built-in installation aids
Remote zoom and focus
Straighten image
Pixel counter
Traffic camera installation assistance

Analytics

Applications
Included
AXIS Object Analytics, AXIS Image Health Analytics, AXIS Scene Metadata, AXIS Live Privacy Shield, AXIS Speed Monitor[3]
AXIS Video Motion Detection, audio detection, active tampering, shock detection
Supported
AXIS License Plate Verifier
Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*

AXIS Object Analytics
Object classes: humans, vehicles (types: cars, buses, trucks, bikes, other)
Scenarios: line crossing, object in area, time in area, crossline counting, occupancy in area, motion in area, motion line crossing
Up to 10 scenarios
Other features: triggered objects visualized with trajectories, color-coded bounding boxes and tables
Polygon include/exclude areas
Perspective configuration
ONVIF Motion Alarm event

AXIS Image Health Analytics
Detection settings:
Tampering: blocked image, redirected image
Image degradation: blurred image, underexposed image
Other features: sensitivity, validation period

AXIS Scene Metadata
Object classes: humans, faces, vehicles (types: cars, buses, trucks, bikes), license plates
Object attributes: vehicle color, upper/lower clothing color, confidence, position

Approvals

Product markings
CE, EAC, FCC, ICES, RCM, UL, VCCI

Supply chain
TAA compliant

EMC
CISPR 35, CISPR 32 Class A, EN 55035,
EN 55032 Class A, EN 50121-4, EN 61000-6-1,
EN 61000-6-2, IEC 62236-4
Australia/New Zealand: RCM AS/NZS CISPR 32 Class A
Canada: ICES(A)/NMB(A)
Japan: VCCI Class A
USA: FCC Part 15 Subpart B Class A

Safety
CAN/CSA C22.2 No. 62368-1 ed. 3,
IEC/EN/UL 62368-1 ed. 3

Environment
IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6,
IEC 60068-2-14, IEC 60068-2-27

Network
NIST SP500-267

Cybersecurity
ETSI EN 303 645, BSI IT Security Label, FIPS 140

Cybersecurity

Edge security
Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1)
Hardware: Axis Edge Vault cybersecurity platform
Secure keystore: secure element (CC EAL 6+, FIPS 140-3 Level 3), system-on-chip security (TEE)

Network security
IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[4],
IEEE 802.1AE (MACsec PSK/EAP-TLS), IEEE 802.1AR,
HTTPS/HSTS[4], TLS v1.2/v1.3[4], Network Time Security (NTS), X.509 Certificate PKI, host-based firewall

Documentation
AXIS OS Hardening Guide
Axis Vulnerability Management Policy
Axis Security Development Model
AXIS OS Software Bill of Material (SBOM)
To download documents, go to *axis.com/support/cybersecurity/resources*
To read more about Axis cybersecurity support, go to *axis.com/cybersecurity*

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

General

Casing
Aluminum and plastic casing
Color: NCS S 9000-N

Mounting
¼"-20 UNC tripod screw thread
Camera stand included

Power
Power over Ethernet IEEE 802.3af/802.3at Type 1
Class 3, max 12.95 W, typical 6.2 W
10–28 V DC, max 12.95 W, typical 6.1 W
Features: dynamic power mode, power meter

I/O functionality
4 configurable (digital input, supervised input, digital output) I/Os, 12 VDC output, max load 50 mA

Connectors
Network: Shielded RJ45 10BASE-T/100BASE-TX/1000BASE-T PoE
I/O: 6-pin 2.5 mm terminal block for four configurable inputs
Serial communication: RS485/RS422, 2 pcs, 2 pos, full duplex, terminal block
Audio: 3.5 mm mic/line in
Power: DC input, terminal block
HDMI Type D
AHI (Axis Housing Interface)
Security lock slot

Storage
Support for microSD/microSDHC/microSDXC card
Support for SD card encryption (AES-XTS-Plain64 256bit)
Recording to network-attached storage (NAS)
For SD card and NAS recommendations see *axis.com*

Operating conditions
Temperature: -10 °C to 60 °C (14 °F to 140 °F)
Humidity: 10–85% RH (non-condensing)

Storage conditions
Temperature: -40 °C to 65 °C (-40 °F to 149 °F)
Humidity: 5–95% RH (non-condensing)

Dimensions
For the overall product dimensions, see the dimension drawing in this datasheet.

Weight
575 g (1.3 lb)

Box content
Camera, installation guide, owner authentication key, stand, terminal block connectors, allen key

System tools
AXIS Site Designer, AXIS Device Manager, product selector, accessory selector, lens calculator
Available at *axis.com*

Languages
English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Polish, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese

Warranty
5-year warranty, see *axis.com/warranty*

Part numbers
Available at *axis.com/products/axis-q1726#part-numbers*

Optional accessories

Installation
AXIS T8415 Wireless Installation Tool

Mounting
AXIS TQ1904 Mounting Bracket

Storage
AXIS Surveillance Cards

AXIS TQ1815-E Housing, AXIS TQ1819-E Housing
For more accessories, go to *axis.com/products/axis-q1726#compatible-products*

Sustainability

Substance control
PVC free, BFR/CFR free in accordance with JEDEC/ECA Standard JS709
RoHS in accordance with EU RoHS Directive 2011/65/EU and 2015/863, and standard EN IEC 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP UUID, see *echa.europa.eu*

Materials

Renewable carbon-based plastic content (recycled: 15%, bio-based: 28%, carbon capture based: 0%)
Screened for conflict minerals in accordance with OECD guidelines
To read more about sustainability at Axis, go to *axis.com/about-axis/sustainability*

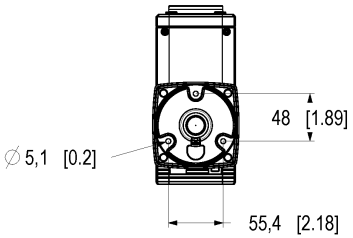
Environmental responsibility

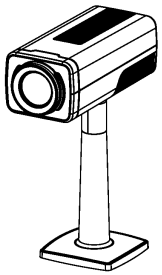
axis.com/environmental-responsibility
Axis Communications is a signatory of the UN Global Compact, read more at *unglobalcompact.org*

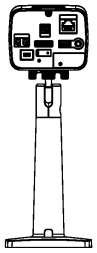
Detect, Observe, Recognize, Identify (DORI)

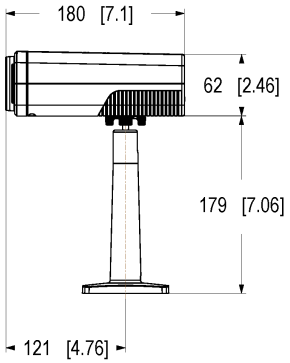
	DORI definition	Distance (wide)	Distance (tele)
Detect	25 px/m (8 px/ft)	65 m (213.2 ft)	141 m (462.5 ft)
Observe	63 px/m (19 px/ft)	26 m (85.3 ft)	56 m (183.7 ft)
Recognize	125 px/m (38 px/ft)	13 m (42.6 ft)	28 m (91.8 ft)
Identify	250 px/m (76 px/ft)	6.4 m (21.0 ft)	14 m (46.0 ft)

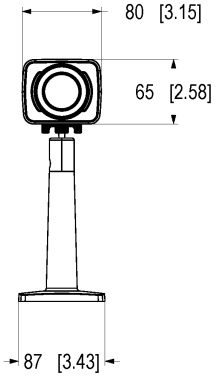
The DORI values are calculated using pixel densities for different use cases as recommended by the EN-62676-4 standard. The calculations use the center of the image as the reference point and consider lens distortion. The possibility to recognize or identify a person or object depends on factors such as object motion, video compression, lighting conditions, and camera focus. Use margins when planning. The pixel density varies across the image, and the calculated values can differ from the distances in the real world.

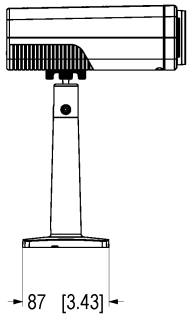


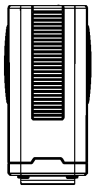












AXIS COMMUNICATIONS

AXIS Q1726 Block Camera

Dimensions in mm [inch]

Date	Version	Scale
2025 Aug-29	M1.3	1:3
Drawing Number	Size	Sheet
3406742	A2	1(1)

Highlighted capabilities

AV1

AV1 is a modern video encoding standard optimized for video transmission over the internet by Alliance for Open Media (AoM). It was designed to provide better compression efficiency than older codecs including H.264 (also known as AVC) and H.265 (HEVC), while being royalty-free and open-source.

Axis Edge Vault

Axis Edge Vault is the hardware-based cybersecurity platform that safeguards the Axis device. It forms the foundation that all secure operations depend on and offer features to protect the device's identity, safeguard its integrity and protect sensitive information from unauthorized access. For instance, **secure boot** ensures that a device can boot only with **signed OS**, which prevents physical supply chain tampering. With signed OS, the device is also able to validate new device software before accepting to install it. And the **secure keystore** is the critical building-block for protecting cryptographic information used for secure communication (IEEE 802.1X, HTTPS, Axis device ID, access control keys etc.) against malicious extraction in the event of a security breach. The secure keystore and secure connections are provided through a Common Criteria or FIPS 140 certified hardware-based cryptographic computing module.

Furthermore, signed video ensures that video evidence can be verified as untampered. Each camera uses its unique video signing key, which is securely stored in the secure keystore, to add a signature into the video stream allowing video to be traced back to the Axis camera from where it originated.

To read more about Axis Edge Vault, go to *axis. com/ solutions/edge-vault*.

AXIS Object Analytics

AXIS Object Analytics is a preinstalled, multifeatured video analytics that detects and classifies humans, vehicles, and types of vehicles. Thanks to AI-based algorithms and behavioral conditions, it analyzes the scene and their spatial behavior within – all tailored to your specific needs. Scalable and edge-based, it requires minimum effort to set up and supports various scenarios running simultaneously.

Electronic image stabilization

Electronic image stabilization (EIS) provides smooth video in situations where a camera is subject to vibrations. Built-in gyroscopic sensors continuously detect the camera's movements and vibrations, and they automatically adjust the frame to ensure you always capture the details you need. Electronic image stabilization relies on different algorithms for modeling camera motion, which are used to correct the images.

Forensic WDR

Axis cameras with wide dynamic range (WDR) technology make the difference between seeing important forensic details clearly and seeing nothing but a blur in challenging light conditions. The difference between the darkest and the brightest spots can spell trouble for image usability and clarity. Forensic WDR effectively reduces visible noise and artifacts to deliver video tuned for maximal forensic usability.

Lightfinder

The Axis Lightfinder technology delivers high-resolution, full-color video with a minimum of motion blur even in near darkness. Because it strips away noise, Lightfinder makes dark areas in a scene visible and captures details in very low light. Cameras with Lightfinder discern color in low light better than the human eye. In surveillance, color may be the critical factor to identify a person, an object, or a vehicle.