AXIS M3046-V Network Camera

Multi-megapixel fixed mini dome with HDMI and wide view

AXIS M3046-V is an affordably priced dome that provides up to 4 MP video. WDR ensures visible details both in dark and bright areas. HDMI support enables live streaming to a public viewing monitor. AXIS M3046-V provides a wide field of view that can e.g. cover a whole store from a corner, from the product shelves under the camera up to the ceiling. Alternatively, thanks to its digital PTZ capability, the camera can deliver cropped out views, e.g. in HDTV 1080p, with variable field of view. No manual focusing is needed since the camera comes factory-focused.

> **Ultra-compact, vandal- and dust-resistant design**

> **Two lens options: 2.4 mm or 1.8 mm**

> **HDMI support enables streaming to a monitor**

> **Axis Zipstream technology for reduced bandwidth and storage**

> **Axis Corridor Format & 3-axis camera angle adjustment**

AXIS M3046-V Network Camera

Models	AXIS M3046-V 2.4 mm
	AXIS M3046-V 1.8 mm

Camera

Image sensor	1/3" progressive scan RGB CMOS
Lens	M12 mount, fixed iris, fixed focus
	2.4 mm: F2.2
	Horizontal field of view: 128°
	Vertical field of view: 72°
	1.8 mm: F2.4
	4:3 aspect ratio: Horizontal field of view: 132° , vertical field of view: 96°
	16:9 aspect ratio: Horizontal field of view: 152° , vertical field of view: 80°
Light sensitivity	**2.4 mm:** 0.3 lux at 50 IRE F2.2
	1.8 mm: 0.35 lux at 50 IRE F2.4
Shutter speed	1/32500 s to 1/5 s
Camera angle adjustment	Pan: ±177°
	Tilt: ±65°
	Rotation: ±176°
	Can be adjusted in any direction and see the wall or ceiling.

Video

Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles
	Motion JPEG
Resolution	**2.4 mm:** 2688x1520 to 320x240
	1.8 mm: 2304x1296 to 640x360 (16:9) or 2016x1512 to 320x240 (4:3)
Frame rate	25/30 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
	HDMI ™
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate
Pan/Tilt/Zoom	Digital PTZ
HDMI output	HDMI 1080p@25/30 fps (50/60 Hz)
	HDMI 1080i@50/60 fps (50/60 Hz)
	HDMI 720p@50/60 fps (50/60 Hz)
	HDMI 720p@25/30 fps (50/60 Hz)
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, WDR, text and image overlay, mirroring of images, privacy mask
	Rotation: 0°, 90°, 180°, 270°, including Corridor Format

Audio

Audio input/output	Two-way audio connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology

Network

Security	Password protection, IP address filtering, HTTPS [a] encryption, IEEE 802.1x (EAP-TLS) [a] network access control, digest authentication, user access log, centralized certificate management, brute force delay protection
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS [a] , SSL/TLS [a] , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP ™ , SNMPv1/v2c/v3 (MIB-II) , DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, HDMI ™ 1.4b, LLDP, MQTT v3.1.1

System integration

Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at *axis.com*
	AXIS Video Hosting System (AVHS) with One-Click Connection
	ONVIF® Profile G , ONVIF® Profile S , and ONVIF® Profile T ; specification at *onvif.org*
Analytics	**Included**
	AXIS Video Motion Detection , active tampering alarm
	Supported
	AXIS Digital Autotracking, AXIS Fence Guard, AXIS Motion Guard, AXIS Loitering Guard, AXIS People Counter, AXIS Queue Monitor, AXIS Occupancy Estimator, AXIS Direction Detector, AXIS Tailgating Detector, AXIS Random Selector
	Support for AXIS Camera Application Platform enabling installation of third-party applications, see *axis.com/acap*
Event triggers	Analytics, edge storage events
	Virtual inputs through API
Event actions	File upload: FTP, SFTP, HTTP, HTTPS network share and email
	Notification: email, HTTP, HTTPS and TCP and SNMP trap
	Video recording to edge storage
	Send video clip
	Pre- and post-alarm video buffering
	Overlay text
Data streaming	Event data
Built-in installation aids	Pixel counter

General

Cybersecurity	Signed firmware
Casing	IP42 water- and dust-resistant (to comply with IP42, follow the Installation Guide), IK08 impact-resistant, polycarbonate/ABS casing
	Encapsulated electronics, captive screws (TORX ® 10)
	Color: white NCS S 1002-B
	For repainting of casing, remove the transparent dome. Contact your Axis partner for repainting instructions and impact on warranty.
Sustainability	PVC-free, 55% recycled plastics
Memory	512 MB RAM, 256 MB Flash
Power	Power over Ethernet (PoE) IEEE 802.3af / 802.3at Type 1 Class 1
	Typical 2.8 W , max 3.2 W
Connectors	Shielded RJ45 10BASE-T/100BASE-TX PoE [b]
	Micro HDMI ™ (Type D [b])
	Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
Storage	Support for microSD/microSDHC/microSDXC card
	Support for SD card encryption
	Support for recording to network-attached storage (NAS)
	For memory card and NAS recommendations see *axis.com*
Operating conditions	0° C to 40° C (32° F to 104° F)
	Humidity 15-85% RH (non-condensing)
Storage conditions	-40° C to 65° C (-40° F to 149° F)
	Humidity 5-95% RH (non-condensing)
Approvals	**EMC**
	EN 55032 Class B , EN 55024 , EN 61000-6-1 , EN 61000-6-2 , FCC Part 15 Subpart B Class A and B , ICES-003 Class B , VCCI Class B , RCM AS/NZS CISPR 22 Class B , KCC KN32 Class B, KN35
	Safety
	IEC/EN/UL 60950-1 , IS 13252
	Environment
	IEC/EN 60529 IP42 , IEC/EN 62262 Class IK08
	Network
	NIST SP500-267
Dimensions	Height: 56 mm (2.2 in)
	ø 101 mm (4.0 in)
Weight	180 g (0.40 lb)
Included accessories	Installation Guide
	Windows ® decoder 1-user license
	TORX ® L-key
Optional accessories	AXIS T94B02D Pendant kit
	AXIS T94B02L Recessed mount
	AXIS T94B01P Conduit back box
	AXIS T94B02M J-Box/Gang box plate
	View protection
	Black casing
	Smoked dome
	Axis Mounts
	AXIS Surveillance microSDXC™ Card
	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 (http://www.openssl.org/), and cryptographic software written by Eric Young (eay@cryptsoft).*

b. *Make sure that the cable has a slim connector plug*

Environmental responsibility:

axis.com/environmental-responsibility

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