

SMLOUVA O DÍLO č. RAD-20190041130

Článek I
Smluvní strany**Kupující: Střední škola elektrotechniky a strojírenství**se sídlem: **Jesenická 3067/1, 106 00 Praha 10**

IČ: 00639133

zastoupený: Ing. Bc. Simonou Nesvadbovou, Ph.D., ředitelka školy

tel.: +420 222 351 041

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(dále jen „kupující“)

Prodávající: Af Office, s.r.o.

se sídlem: Jednořadá 1051/53, Praha 6

IČ: 26768771

DIČ: CZ26768771

č. ú.: 1031029900 / 5500

zastoupený Jiřím Sikorou, jednatelem společnosti

tel.: 235362575

e-mail: sikora@afoffice.cz

(dále jen „prodávající“)

**uzavírají dnešního dne, měsíce a roku
tuto smlouvu o dílo****II.**
Předmět smlouvy

1. Předmětem smlouvy je dodávka „Kamerový systém a software“ dle zadávací dokumentace veřejné zakázky a dle nabídky 20190041130_kamery_sw, která je součástí přílohy ke smlouvě.
2. Zhotovitel provede práce na svůj náklad a své nebezpečí. Předáním a převzetím zhotovené věci přechází nebezpečí škody zhotovené věci na objednatele.
3. Předmět smlouvy bude realizován v souladu s platnými technickými normami a dodavatel prokazuje, že v předmětném oboru má platné oprávnění.

4. Nedílnou součástí této smlouvy je veškerá dokumentace k veřejné zakázce.
5. Prodávající se zavazuje dodržovat při plnění předmětu smlouvy opatření bezpečnosti, požární ochrany a ochrany zdraví při práci.
6. Prodávající se zavazuje splnit předmět smlouvy prostřednictvím osob s potřebnou kvalifikací a odborností.

III. Cena plnění

1. Celková cena bez DPH je.....371 180...,- Kč, celková výše DPH je...77 948...,- Kč a celková cena za s DPH je...449 128...,- Kč (slovy: třístasedmdesátjednatísícstosmdesát korun českých). Podrobná specifikace ceny je obsažena v Příloze č. 1 smlouvy. Cena zahrnuje veškeré náklady a poplatky potřebné k řádnému splnění předmětu smlouvy. Tato cena nemůže být měněna.
2. Prodávající má právo vystavit kupujícímu daňový doklad (fakturu) až po řádném předání díla a po jeho protokolárním převzetí. Prodávající vystaví kupujícímu v souladu s čl. III odst. 2 smlouvy fakturu.
3. Faktury musí mít všechny náležitosti daňového dokladu dle § 28 zákona č. 235/2004 Sb., o dani z přidané hodnoty, ve znění pozdějších předpisů, a § 13a obchodního zákoníku. V případě, že některá faktura nebude obsahovat předepsané náležitosti, je kupující oprávněn ji zaslat ve lhůtě splatnosti zpět prodávajícímu k doplnění či opravě, aniž se dostane do prodlení se splatností. Lhůta splatnosti počíná běžet znovu od opětovného doručení náležitě doplněné či opravené faktury.
4. Faktury budou splatné do 14 dnů ode dne jejich doručení kupujícímu. Za den úhrady se považuje den, kdy byla fakturovaná částka odepsána z účtu kupujícího.
5. Kupující se zavazuje provést úhradu kupní ceny bezhotovostním převodem na účet prodávajícího. Číslo bankovního účtu bude uvedeno na faktuře.
6. Pokud dojde k přerušení prací na předmětu smlouvy z důvodů ležících na straně objednatele, má zhotovitel právo vyúčtovat náklady, které mu takto prokazatelně vzniknou.
7. V případě prodlení objednatele se zaplacením se objednatel zavazuje zaplatit zhotoviteli smluvní pokutu ve výši 0,05 % za každý den prodlení z fakturované částky bez daně.

IV. Čas plnění

1. Tato smlouva vstupuje v platnost dnem podpisu smlouvy.
2. Termín zahájení díla je: předpoklad 09.12.2019
3. Termín ukončení díla dle čl.II. je: předpoklad do 31.12.2019

V. Sankce

1. Při hrubém nedodržení podmínek této smlouvy jsou obě strany oprávněny smlouvu vypovědět. Výpovědní lhůta činí 1 týden a počíná běžet druhý den po obdržení výpovědi druhou stranou.
2. V případě prodloužení termínu předmětu plnění bez viny objednatele přesahujících 1 týden se zhotovitel zavazuje zaplatit objednateli smluvní pokutu za **každý** další týden ve výši 1 % z ceny předmětu smlouvy (cena bez DPH), nejvýše však ve výši 10 % z ceny předmětu smlouvy.

VI. Vymezení odpovědnosti

1. Záruční doba předmětu smlouvy činí 36 měsíců. Záruční lhůta začíná běžet dnem předání a převzetí provedeného díla.

VII. Ostatní ujednání

1. Zhotovitel se zavazuje, že při provádění prací bude dodržovat všechny platné předpisy BOZ a PO a že bude používat předepsané ochranné a pracovní pomůcky.
2. Objednatel umožní vstup pracovníkům zhotovitele do příslušných objektů.
3. Před koncem denní pracovní doby i po skončení prací na určitém úseku bude proveden úklid tak, aby se minimalizovala prašnost a znečišťování v prostorech dotčených provozem budovy.

VIII. Závěrečná ustanovení

1. Případné změny a doplňky této smlouvy v době její účinnosti budou prováděny po dohodě smluvních stran výlučně písemným dodatkem oboustranně podepsaným, pokud není touto smlouvou stanoveno jinak.
2. Právní vztahy a závazky touto smlouvou neupravené se řídí obecně právními předpisy.
3. Smlouva je vyhotovena ve třech vyhotoveních, z nichž každá má platnosti originálu a objednatel obdrží dvě vyhotovení a zhotovitel jedno vyhotovení.
4. Smluvní strany po přečtení této smlouvy prohlašují, že byla sepsána dle jejich pravé a svobodné vůle a na důkaz tohoto připojují své vlastnoruční podpisy.
5. Vzniklé spory se strany zavazují řešit dohodou, v ostatním platí příslušná ustanovení obchodního zákoníku.
6. Smluvní strany výslovně sjednávají, že uveřejnění tohoto dodatku v registru smluv dle zákona č. 340/2015 Sb., o zvláštních podmínkách účinnosti některých smluv, uveřejňování těchto smluv a o registru smluv (zákon o registru smluv) zajistí Střední škola elektrotechniky a strojírenství.

V Praze dne: 22.11.2019

zhotovitel:

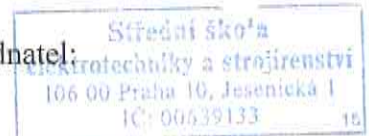


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Jiří Šikora
jednatel

V Praze dne: 25.11.2019

objednatel:



Ing. Bc. Simonou Nesvadbovou, Ph.D.
ředitelka školy

Ing. Bc. Simonou Nesvadbovou, Ph.D.

Číslo dokladu: RAD-20190041130
Referent: Pavel Radvan

Datum: 19.11.2019
Datum platnosti: 29.11.2019

Dodavatel:
Af Office, s.r.o.
Jednořadá 1051/53
160 00 Praha 6, Dejvice
IČ: 26768771
DIČ: CZ26768771

Odběratel:
Střední škola elektrotechniky a strojírenství
Jesenická 3067/1
106 00 Praha 106
IČ:00639133
DIČ:CZ00639133

Platební údaje:
Způsob úhrady: Bankovním převodem
Požadovaná záloha: 0,00 Kč
Úrok: 0,1
Splatnost dní: 10

Banka: Raiffeisenbank a.s.
Číslo účtu: 103 102 99 00 / 5500
Konstantní symbol: 0008
Variabilní symbol:

Nabídka na kamerový systém a software

| Popis | Ks | Cena bez DPH | Sazba | DPH | Cena celkem |
|--|----|--------------|-------|--------------|--------------|
| Kamery - záruka 36 měsíců | | | | | |
| AXIS M3106-LVE Mk II, venkovní ultra kompaktní mini dome IP kamera s IR přívitem a WDR - Forensic Capture funkcí, Vícenásobný stream h.264/h.265 nebo MJPEG, rozlišení 4Mpix HD, 30 fps, Funkce zipstream, slot na SD kartu, detekce pohybu, tamper alarm, POE | 3 | 9 780,00 Kč | 21% | 6 161,40 Kč | 35 501,40 Kč |
| AXIS M3025-VE, kompaktní mini dome den/noc IP kamera s fixním objektivem v antivandal provedení vhodná pro Outdoor a Indoor instalace. Vícenásobný H.264 nebo MJPEG stream, rozlišení max 1080p při 30fps. Kamera je vybavena slotem na SD karty, Detekcí pohybu, tamperem, I/O. Kamera je napájena POE. | 1 | 9 780,00 Kč | 21% | 2 053,80 Kč | 11 833,80 Kč |
| AXIS M3105-LVE, venkovní ultra kompaktní mini dome IP kamera s IR přívitem a WDR - Forensic Capture funkcí, Vícenásobný stream h.264 nebo MJPEG, rozlišení 1080P FullHD, 30 fps, Funkce zipstream, slot na SD kartu, detekce pohybu, tamper alarm, POE | 4 | 7 700,00 Kč | 21% | 6 468,00 Kč | 37 268,00 Kč |
| AXIS M3044-V, ultra kompaktní fixní mini dome kamera v antivandal provedení. Fixní objektiv, vícenásobný stream h.264 a MJPEG, max 720P rozlišení při 30FPS s WDR. MicroSD/SDHC slot, detekce pohybu, POE | 11 | 4 100,00 Kč | 21% | 9 471,00 Kč | 54 571,00 Kč |
| AXIS M3104-LVE, venkovní ultra kompaktní mini dome IP kamera s IR přívitem a WDR - Forensic Capture funkcí, Vícenásobný stream h.264 nebo MJPEG, rozlišení 720P HD, 30 fps, Funkce zipstream, slot na SD kartu, detekce pohybu, tamper alarm, POE | 12 | 6 080,00 Kč | 21% | 15 321,60 Kč | 88 281,60 Kč |
| SW pro kamery a disky pro server | | | | | |
| Server Win 2019 std EDU | 1 | 6 500,00 Kč | 21% | 1 365,00 Kč | 7 865,00 Kč |
| Disk pro datové úložiště 2TB | 4 | 15 200,00 Kč | 21% | 12 768,00 Kč | 73 568,00 Kč |
| Instalace a montáž kamer, nastavení pro kamerový SW | 1 | 41 000,00 Kč | 21% | 8 610,00 Kč | 49 610,00 Kč |
| XProtect Express+ Base License | 1 | 500,00 Kč | 21% | 105,00 Kč | 605,00 Kč |
| XProtect Express+ Device License s 2 letou podporou | 31 | 2 400,00 Kč | 21% | 15 624,00 Kč | 90 024,00 Kč |

| Rozpis DPH | | |
|---------------|---------------|----------------------|
| Sazba | Základ | Daň |
| 21% | 371 180,00 Kč | 77 947,80 Kč |
| Celkem | | 449 127,80 Kč |

AXIS M3106-LVE Mk II Network Camera

Discreet, outdoor-ready 4 MP video surveillance with built-in IR illumination

AXIS M3106-LVE Mk II is an affordable, outdoor-ready fixed mini dome with a flat-faced design that suppresses reflections. Using WDR technology and IR illumination, it provides compact HDTV surveillance even in challenging light conditions or total darkness. The smart design allows for easy repainting, or using the optional black accessory casing to blend the camera into its environment. Axis Zipstream technology reduces bandwidth and storage requirements. A variety of accessories are available for flexible and easy installation.

- > Built-in IR illumination
- > Quad HD/4 MP video
- > Wide Dynamic Range (WDR)
- > Axis Zipstream technology
- > Smart design for easy, flexible installation



AXIS M3106-LVE Mk II Network Camera

| | | | |
|--|--|-----------------------------------|---|
| Camera | | Data streaming | Event data |
| Image sensor | 1/3" progressive scan RGB CMOS | Built-in installation aids | Pixel counter |
| Lens | M12 mount, Fixed iris, Fixed focus 2.4 mm, F2.2 Horizontal field of view: 130° Vertical field of view: 73° | General | |
| Day and night | Automatically removable infrared-cut filter | Casing | IP66-, NEMA 250 Type 4X, and IK08-rated, ASA polymer casing Encapsulated electronics, Captive screws (Torx 10) Color: White NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner |
| Minimum illumination | Color: 0.3 lux at 50 IRE, F2.2 B/W: 0.06 lux at 50 IRE, F2.2 0 lux with IR illumination on | Sustainability | PVC free |
| Shutter time | 1/31500 s to 1/5 s | Memory | 512 MB RAM, 256 MB Flash |
| Camera angle adjustment | Pan: ±180° Tilt: 0° to 60° (0° = lens directed at a right angle to camera base) Rotation: ±95° Can be directed in any direction and see the wall/ceiling | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical: 5.1 W, Max.: 7.9 W |
| Video | | Connectors | RJ45 10BASE-T/100BASE-TX PoE |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG | IR illumination | Power-efficient, long-life 850 nm IR LEDs. Range of reach 15 m (50 ft) or more depending on the scene |
| Resolution | 2688x1520 to 320x240 | 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 |
| Frame rate | Up to 25/30 fps with power line frequency 50/60 Hz | Operating conditions | -30°C to 50°C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) |
| Video streaming | Multiple, individually configurable streams in H.264, H.265 and Motion JPEG Axis Zipstream technology in H.264 and H.265 Controllable frame rate and bandwidth VBR/MBR H.264/H.265 | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) |
| Multi-view streaming | Up to 2 individually cropped out view areas in full frame rate | Approvals | EMC EN 55022 Class B, EN 55024, IEC 62471, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class A, KN35 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60721-3-4 Class 4M3 Safety IEC/EN/UL 62368-1, IS 13252 Network NIST SP500-267 |
| Pan/Tilt/Zoom | Digital PTZ | Dimensions | Height: 94 mm (3.7 in) ø 101 mm (4.0 in) |
| Image settings | Compression, Color, Brightness, Sharpness, Contrast, White balance, Exposure control, WDR: up to 100 dB depending on scene. Rotation: 0°, 90°, 180°, 270° including Corridor Format, Text and Image overlay, Privacy masks, Mirroring of images | Weight | 370 g (0.81 lb) |
| Network | | Included accessories | Installation Guide, Windows decoder 1-user license, Torx L-key, Connector guard |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware | Optional accessories | AXIS T94B02D Pendant kit AXIS T94B01P Conduit Back Box AXIS T94B02M J-Box/Gang Box Plate AXIS M31-LVE Casing, Black Axis Mounts AXIS Surveillance microSDXC™ Card For more accessories, see axis.com |
| Supported protocols | IPv4, IPv6 USGv6, HTTP, HTTPS ^a , 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, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP | Video management software | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms |
| System integration | | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| 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 | Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty |
| 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, email Notification: email, HTTP, HTTPS, TCP, SNMP trap Video recording to edge storage Send video clip Pre- and post-alarm video buffering Overlay text | Event actions | File upload: FTP, SFTP, HTTP, HTTPS, network share, email Notification: email, HTTP, HTTPS, TCP, SNMP trap Video recording to edge storage Send video clip Pre- and post-alarm video buffering Overlay text |

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 (ey@cryptsoft.com).

Environmental responsibility:
axis.com/environmental-responsibility

AXIS M3025-VE Network Camera

Outdoor-ready, day/night fixed dome with HDTV 1080p

The affordably priced, vandal-resistant AXIS M3025-VE is a HDTV fixed mini dome offering excellent video during day and night-time, in indoor or outdoor environments. It has day and night functionality, maintaining high image quality even in low-light conditions. It supports Axis' Corridor Format for vertically oriented video streams. With its 3-axis camera angle adjustment, it can be mounted on walls, ceilings or pendants. AXIS M3025-VE has support for AXIS Camera Application Platform enabling the installation of intelligent video applications such as people counting. The outdoor-ready camera has IP66 and NEMA 4X ratings for protection against dust, rain and snow.

- > Compact, vandal-resistant, outdoor-ready design
- > HDTV 1080p/2 MP
- > Day/night
- > Input/output ports
- > Power over Ethernet



AXIS M3025-VE Network Camera

| | | | |
|---|--|--------------------------------------|--|
| Camera | | Built-in installation aids | Pixel counter |
| Image sensor | 1/2.7" progressive scan RGB CMOS | General | |
| Lens | M12 mount, fixed iris, IR corrected 3.6 mm, F2.0 Horizontal field of view: 91° | Casing | IP66- and NEMA 4X-rated, IK10 impact-resistant aluminum casing with transparent, polycarbonate cover and dehumidifying membrane, Encapsulated electronics, Captive screws (resistorx 10) Color: White NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner. |
| Day and night | Automatically removable infrared-cut filter | Memory | 256 MB RAM, 128 MB Flash |
| Light sensitivity/minimum illumination | Color: 0.8–100000 lux, F2.0, B/W: 0.16 lux, F2.0 | Power | Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 2 max 3.2 W |
| Shutter time | 1/30500 s to 2 s | Connectors | Shielded male RJ45 10BASE-T/100BASE-TX PoE on a 2 m (6.6 ft) network cable, warranty can be maintained even when cable is cut—for more information, contact your Axis partner Terminal block for 1 alarm input and 1 output |
| Camera angle adjustment | Pan ±175°, Tilt 70°, Rotation ±180° | Storage | Support for microSD/microSDHC/microSDXC card Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com |
| Video | | Operating conditions | -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Main Profile Motion JPEG | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) |
| Resolution | 1920x1080 (2 MP/HDTV 1080p) to 320x240 | Approvals | EMC EN 55022 Class B, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-22 Environment EN 50581, IEC 60529 IP66, NEMA 250 Type 4X, IEC 62262 IK10 |
| Frame rate | 25/30 fps with power line frequency 50/60 Hz | Dimensions | Ø 132 x 93 mm (Ø 5 3/16 x 3 11/16 in) |
| Video streaming | Multiple, individually configurable streams in H.264 and Motion JPEG Controllable frame rate and bandwidth VBR/CBR H.264 | Weight | 740 g (1.6 lb) |
| Pan/Tilt/Zoom | Digital PTZ | Included accessories | Installation Guide, Windows® decoder 1-user license, Drill hole template, Resistorx L-key, Terminal block connector |
| Image settings | Compression, color, brightness, sharpness, contrast, white balance, exposure control, backlight compensation, WDR – dynamic contrast, text and image overlay, mirroring of images, privacy mask Rotation: 0°, 90°, 180°, 270°, including Corridor Format | Optional accessories | AXIS T91 Mount Accessories, AXIS T94F01D Pendant Kit, AXIS T94F01L Recessed Mount Kit, AXIS T94F01M J-Box/Gang Box Plate, AXIS T94F01P Conduit Back Box, AXIS T94F01S Mount Bracket, AXIS T94F02D Pendant Kit with sunshield, Network Cable Coupler IP66, Network Cable Coupler Indoor, Network Cable Coupler Indoor Slim, Skin covers (White/Black) |
| Network | | Video management software | AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| Supported protocols | IPv4/v6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH | Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty |
| System integration | | Footnote | 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 (ey@cryptsoft.com). |
| 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, specification at onvif.org | Environmental responsibility: | axis.com/environmental-responsibility |
| Analytics | Video motion detection, active tampering alarm Support for AXIS Camera Application Platform enabling installation AXIS Video Motion Detection 3, AXIS Cross Line Detection, AXIS Digital Autotracking and third-party applications, see axis.com/acap | | |
| Event triggers | Analytics, edge storage events, external input | | |
| Event actions | File upload: FTP, HTTP, network share and email Notification: email, HTTP and TCP External output activation Video recording to edge storage Pre- and post-alarm video buffering | | |
| Data streaming | Event data | | |

AXIS M3105-LVE Network Camera

Discreet, outdoor-ready HDTV 1080p video surveillance with built-in IR illumination

AXIS M3105-LVE is an affordable, outdoor-ready fixed mini dome with a flat-faced design that suppresses reflections. Using WDR technology and IR illumination, it provides compact HDTV surveillance even in challenging light conditions or total darkness. The smart design allows for easy repainting, or using the optional black accessory casing to blend the camera into its environment. Axis Zipstream technology reduces bandwidth and storage requirements. A variety of accessories are available for flexible and easy installation.

- > Built-in IR illumination
- > HDTV 1080p video
- > WDR – Forensic Capture
- > Axis Zipstream technology
- > Smart design for easy, flexible installation



AXIS M3105-LVE Network Camera

| | | | |
|--|---|-----------------------------------|---|
| Camera | | Data streaming | Event data |
| Image sensor | 1/2.8" progressive scan RGB CMOS | Built-in installation aids | Pixel counter |
| Lens | M12 mount, Fixed iris, Fixed focus 2.8 mm, F2.0 Horizontal field of view: 115° Vertical field of view: 64° | General | |
| Day and night | Automatically removable infrared-cut filter | Casing | IP66-, NEMA 250 Type 4X, and IK08-rated, ASA polymer casing Encapsulated electronics, Captive screws (Torx 10) Color: White NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner |
| Minimum illumination | Color: 0.2 lux at 50 IRE, F2.0 B/W: 0.04 lux at 50 IRE, F2.0 0 lux with IR illumination on | Sustainability | PVC free |
| Shutter time | 1/66500 s to 2 s | Memory | 512 MB RAM, 256 MB Flash |
| Camera angle adjustment | Pan: ±180° Tilt: 0° to 60° (0° = lens directed at a right angle to camera base) Rotation: ±95° Can be directed in any direction and see the wall/ceiling | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical: 4.2 W, Max.: 6.2 W |
| Video | | Connectors | RJ45 10BASE-T/100BASE-TX PoE |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG | IR illumination | Power-efficient, long-life 850 nm IR LED. Range of reach 15 m (50 ft) or more depending on the scene |
| Resolution | 1920x1080 to 176x120 | 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 |
| Frame rate | Up to 25/30 fps with power line frequency 50/60 Hz | Operating conditions | -30°C to 50°C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) |
| 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 | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5–95% RH (non-condensing) |
| Multi-view streaming | Up to 2 individually cropped out view areas in full frame rate | Approvals | EMC EN 55022 Class B, EN 55024, IEC 62471, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-78, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60721-3-4 Class 4M3 Safety IEC/EN/UL 62368-1, IS 13252 Network NIST SP500-267 |
| Pan/Tilt/Zoom | Digital PTZ | Dimensions | Height: 94 mm (3.7 in) ø 101 mm (4.0 in) |
| Image settings | Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control, WDR – Forensic Capture: up to 115 dB depending on scene, Rotation: 0°, 90°, 180°, 270° including Corridor Format, Text and image overlay, Privacy masks, Mirroring of images | Weight | 380 g (0.83 lb) |
| Network | | Included accessories | Installation Guide, Windows decoder 1-user license, Torx® L-key, Connector guard |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware | Optional accessories | AXIS T94B02D Pendant kit AXIS T94B01P Conduit Back Box AXIS T94B02M J-Box/Gang Box Plate AXIS M31-LVE Casing, Black Axis Mounts AXIS Surveillance microSDXC™ Card For more accessories, see axis.com |
| | IPv4, IPv6 USGv6, HTTP, HTTPS ^a , 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, TCP, UDP, IGMP, RTPC, ICMP, DHCP, ARP, SOCKS, SSH, LLDP | Video management software | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms |
| System integration | | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| 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 | Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty |
| 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, email Notification: email, HTTP, HTTPS, TCP, SNMP trap Video recording to edge storage Send video clip Pre- and post-alarm video buffering Overlay text Day/night mode, overlay text, IR illumination, WDR mode | | |

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 (ey@cryptsoft.com).

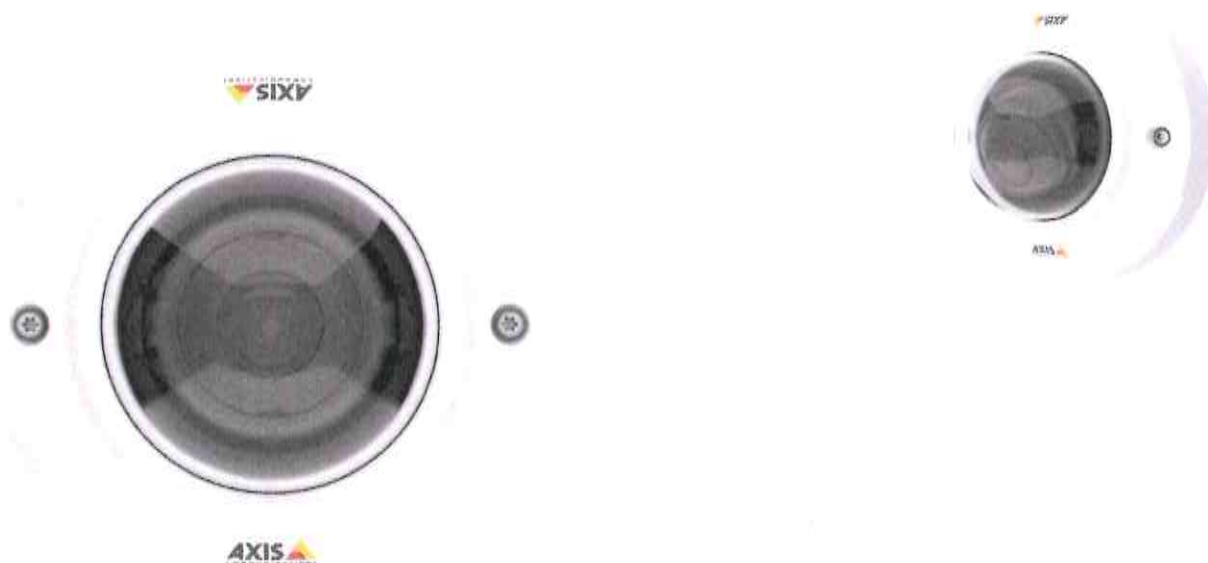
Environmental responsibility:
axis.com/environmental-responsibility

AXIS M3044-V

HDTV 720p fixed mini dome

The palm-sized AXIS M3044-V is an affordably priced, vandal- and dust-resistant indoor HDTV 720p fixed mini dome. WDR ensures that details in both the dark and bright areas of a scene are visible. The camera has an integrated RJ45 Ethernet connection and supports Power over Ethernet (PoE). The factory-focused camera can be mounted on walls or ceilings and with its 3-axis camera angle adjustment it can be easily leveled and directed in any direction. Axis Corridor Format enables vertically oriented video streams. AXIS M3044-V supports video analytics such as people counting.

- > Ultra-compact, vandal and dust-resistant design
- > HDTV 720p / 1 MP
- > Axis Zipstream technology for reduced bandwidth and storage
- > Axis Corridor Format



AXIS M3044-V

Models

Camera

| | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan RGB CMOS |
| Lens | M12 mount, fixed iris, fixed focus 2.8 mm, F2.0 Horizontal field of view: 82° Vertical field of view: 44° |
| Light sensitivity | 0.25 lux at 50 IRE F2.0 |
| Shutter time | 1/32500 s to 1/5 s |
| Camera angle adjustment | Pan: ±177° Tilt: ±76° Rotation: ±176° Can be directed in any direction and see the wall/ceiling |

Video

| | |
|-------------------|--|
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG |
| Resolution | 1280x720 (720p) to 320x240 |
| 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 |
| Pan/Tilt/Zoom | Digital PTZ |
| 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 |

Network

| | |
|---------------------|---|
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^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 TM , SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, 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 www.axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile S and ONVIF [®] Profile G, 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 www.axis.com/acap |
| Event triggers | Analytics, edge storage events |
| 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 | |

Casing

IP42 water- and dust-resistant (to comply with IP42, follow Installation Guide), IK08 impact-resistant, polycarbonate/ABS casing
Encapsulated electronics, captive screws (Torx[®] 10)
Color: white NCS S 1002-B
For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.

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 2.5 W, max 2.9 W

Connectors

RJ45 10BASE-T/100BASE-TX PoE^b

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 www.axis.com

Operating conditions

0 °C to 45 °C (32 °F to 113 °F)
Humidity 15-85% RH (non-condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

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
Environment
IEC/EN 60529 IP42, IEC/EN 62262 Class IK08, RoHS, WEEE
Network
NIST SP500-267

Dimensions

Height: 56 mm (2.2 in)
ø 101 mm (4.0 in)

Weight

170 g (0.38 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 www.axis.com

Video management software

AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on www.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 www.axis.com/warranty

- 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 (eyay@cryptsoft.com).
- Make sure that the cable has a slim connector plug

Environmental responsibility:

www.axis.com/environmental-responsibility

AXIS M3104-LVE Network Camera

Discreet, outdoor-ready HDTV 720p video surveillance with built-in IR illumination

AXIS M3104-LVE is an affordable, outdoor-ready fixed mini dome with a flat-faced design that suppresses reflections. Using WDR technology and IR illumination, it provides compact HDTV surveillance even in challenging light conditions or total darkness. The smart design allows for easy repainting, or using the optional black accessory casing to blend the camera into its environment. Axis Zipstream technology reduces bandwidth and storage requirements. A variety of accessories are available for flexible and easy installation.

- > Built-in IR illumination
- > HDTV 720p video
- > WDR – Forensic Capture
- > Axis Zipstream technology
- > Smart design for easy, flexible installation



AXIS M3104-LVE Network Camera

| | | | |
|--|---|-----------------------------------|---|
| Camera | | Data streaming | Event data |
| Image sensor | 1/2.8" progressive scan RGB CMOS | Built-in installation aids | Pixel counter |
| Lens | M12 mount, Fixed iris, Fixed focus 2.8 mm, F2.0 Horizontal field of view: 80° Vertical field of view: 45° | General | |
| Day and night | Automatically removable infrared-cut filter | Casing | IP66-, NEMA 250 Type 4X, and IK08-rated, ASA polymer casing Encapsulated electronics, Captive screws (Torx 10) Color: White NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner |
| Minimum illumination | Color: 0.2 lux at 50 IRE, F2.0 B/W: 0.04 lux at 50 IRE, F2.0 0 lux with IR illumination on | Sustainability | PVC free |
| Shutter time | 1/66500 s to 2 s | Memory | 512 MB RAM, 256 MB Flash |
| Camera angle adjustment | Pan: ±180° Tilt: 0° to 60° (0° = lens directed at a right angle to camera base) Rotation: ±95° Can be directed in any direction and see the wall/ceiling | Power | Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 2 Typical: 4.2 W, Max.: 6.2 W |
| Video | | Connectors | RJ45 10BASE-T/100BASE-TX PoE |
| Video compression | H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG | IR illumination | Power-efficient, long-life 850 nm IR LED. Range of reach 15 m (50 ft) or more depending on the scene |
| Resolution | 1280x720 to 176x120 | 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 |
| Frame rate | Up to 25/30 fps with power line frequency 50/60 Hz | Operating conditions | -30 °C to 50 °C (-22 °F to 122 °F) Humidity 10–100% RH (condensing) |
| 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 | Storage conditions | -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing) |
| Image settings | Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control, WDR – Forensic Capture: up to 115 dB depending on scene. Rotation: 0°, 90°, 180°, 270° including Corridor Format, Text and image overlay, Privacy masks, Mirroring of images | Approvals | EMC EN 55022 Class B, EN 55024, IEC 62471, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN32 Class B, KN35 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-7B, IEC 60068-2-14, IEC 60068-2-6, IEC 60068-2-27, IEC/EN 62262 IK08, IEC/EN 60529 IP66, NEMA 250 Type 4X, IEC 60721-3-4 Class 4M3 Safety IEC/EN/UL 62368-1, IS 13252 Network NIST SP500-267 |
| Pan/Tilt/Zoom | Digital PTZ | Dimensions | Height: 94 mm (3.7 in) ø 101 mm (4.0 in) |
| Network | | Weight | 380 g (0.83 lb) |
| Security | Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X ^a network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware IPv4, IPv6, USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP TM , SNMP v1/v2c/v3 (MIB-II), DNS, DymDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP | Included accessories | Installation Guide, Windows decoder 1-user license, Torx [®] L-key, Connector guard |
| System integration | | Optional accessories | AXIS T94B02D Pendant kit AXIS T94B01P Conduit Back Box AXIS T94B02M J-Box/Gang Box Plate AXIS M31-LVE Casing, Black Axis Mounts AXIS Surveillance microSDXC [™] Card For more accessories, see axis.com |
| 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 | Video management software | AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms |
| 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 | Languages | English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese |
| Event triggers | Analytics, Edge storage events, Virtual inputs through API | Warranty | Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty |
| Event actions | File upload: FTP, SFTP, HTTP, HTTPS, network share, email Notification: email, HTTP, HTTPS, TCP, SNMP trap Video recording to edge storage Send video clip Pre- and post-alarm video buffering Overlay text Day/night mode, overlay text, IR illumination, WDR mode | | |

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 (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility