ExCam XPT Q6075 Explosion-Protected PTZ Camera

Zone-certified high-speed PTZ dome camera

Certified (ATEX, IECEx, EAC Ex and IA) for use in potentially combustible environments, ExCam XPT Q6075 offers HDTV 1080p and 40x optical zoom for great overview and excellent detail. Featuring Axis Lightfinder 2.0, it captures images with more realistic and saturated colors and sharper images of moving objects. It includes autotracking 2 with click and track functionality for active object tracking, and orientation aid with support for dynamic overlays for quick orientation. Enhanced security features such as signed firmware and secure boot ensure the integrity and authenticity of the firmware. Furthermore, Axis Zipstream with support for H.264/H.265 significantly lowers bandwidth and storage requirements.

> **HDTV 1080p at 50/60 fps, with 40x optical zoom**
> **Axis Lightfinder 2.0**
> **Autotracking 2 and orientation aid**
> **TPM, FIPS 140–2 level 2 certified**
> **ATEX, IECEx, EAC Ex and IA; Zone 1, 21**

ExCam XPT Q6075 Explosion-Protected PTZ Camera

Camera

Image sensor
1/2.8" progressive scan RGB CMOS

Lens
4.25-170 mm, F1.6-4.95
Horizontal field of view: 65.1°-2.0° (1080p)
Vertical field of view: 39.1°-1.18° (1080p)
Autofocus, auto-iris

Day and night
Automatically removable infrared-cut filter

Minimum illumination
Color: 0.1 lux at 30 IRE, F1.6
B/W: 0.002 lux at 30 IRE, F1.6
Color: 0.15 lux at 50 IRE, F1.6
B/W: 0.003 lux at 50 IRE, F1.6

Shutter speed
1/11000 s to 1/3 s

Pan/Tilt/Zoom
Pan: 360° endless, 0.05°–450°/s
Tilt: 180°, 0.05°–450°/s
Zoom: 40x optical, 12x digital, Total 480x zoom
E-flip, 256 preset positions, tour recording (max 10, max duration 16 minutes each), guard tour (max 100), control queue, on-screen directional indicator, orientation aid PTZ, set new pan 0°, adjustable zoom speed, focus recall

System on chip (SoC)

Model
ARTPEC-7

Memory
1024 MB RAM, 512 MB Flash

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

Resolution
HDTV 1080p 1920x1080 to 320x180

Frame rate
Up to 50/60 fps (50/60 Hz) in HDTV 1080p

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/ABR/MBR H.264 and H.265

Image settings
Manual shutter time, compression, color, brightness, sharpness, WDR: up to 120 dB depending on scene, white balance, exposure control, exposure zones, fine tuning of behavior at low light, rotation: 0°, 180°, text and image overlay, polygon privacy masks, image freeze on PTZ, automatic defog, backlight compensation, highlight compensation, electronic image stabilization

Network

Security
IP address filtering, HTTPS[1] encryption,
IEEE 802.1x (EAP-TLS)[1] network access control, user access log

Network protocols
IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS[1], TLS[1], QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP®, SNMP v1/v2c/v3 (MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, ARP, SSH, NTCIP, LLDP, CDP, MQTT v3.1.1, Secure syslog (RFC 3164/5424, UDP/TCP/TLS), Link-Local address (ZeroConf)

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1. *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).*

System integration

Application Programming Interface
Open API for software integration, including VAPIX®
and AXIS Camera Application Platform; specifications at
axis.com/developer-community.
One-click cloud connection
ONVIF® Profile G, ONVIF® Profile S, and
ONVIF® Profile T, specification at *onvif.org*

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*.

Event conditions
Device status: above operating temperature, above or
below operating temperature, below operating
temperature, fan failure, IP address removed, network
lost, new IP address, shock detected, storage failure,
system ready, within operating temperature
Edge storage: recording ongoing, storage disruption
I/O: manual trigger
MQTT subscribe
PTZ: PTZ malfunctioning, PTZ movement, PTZ preset
position reached, PTZ ready
Scheduled and recurring: scheduled event
Video: live stream open

Event actions
Day/night mode, overlay text, video recording to edge
storage, pre- and post-alarm video buffering, send
SNMP trap
PTZ: PTZ preset, start/stop guard tour
File upload via FTP, SFTP, HTTP, HTTPS network share
and email
Notification via email, HTTP, HTTPS and TCP
MQTT publish

Data streaming
Event data

Built-in installation aids
Pixel counter, leveling guide

Analytics

Applications
Included
AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering
Guard, autotracking 2, active gatekeeper
Basic analytics (not to be compared with third-party
analytics): object removed, enter/exit detector, object
counter
Support for AXIS Camera Application Platform enabling
installation of third-party applications, see *axis.com/
acap*

Approvals

EMC
EN 55032 Class A, EN 61000-3-2, EN 61000-3-3,
EN 61000-4-2, EN 61000-4-3, EN 61000-4-4,
EN 61000-4-5, EN 61000-4-6, EN 61000-4-8,
EN 61000-4-11, EN 61000-6-2, EN 62479

Network
NIST SP500-267

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

Explosion
EN/IEC 60079-0:2012, EN/IEC 60079-1:2007,
EN/IEC 60079-31:2009, TR CU 012/2011,
GOST R IEC 60079-0-2011, GOST R IEC 60079-1-2011,
GOST R IEC 60079-31-2010

Midspan: EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB,
KCC, UL-AR

Certifications

Model key: T08-TNXCD-LL.H-005.A-T
ATEX: II 2G Ex d IIC T6 Gb, II 2D Ex tb IIIC T80°C Db
Certificate: TÜV 18 ATEX 8218X
IECEx: Ex d IIC T6 Gb, Ex tb IIIC T80°C Db
Certificate: IECEx TUR 18.0023X
EAC Ex: Ex d IIC T6 Gb, Ex tb IIIC T80°C Db
Series: T8, **Model**: T08-TNXCD.
Certificate: RU C-DE.HA65.B.01652/22
IA: Ex d IIC T6 Gb, Ex tb IIIC T80°C Db
Certificate: MASC MS/18-3256X
UKCA: II 2 G Ex db IIC T5 Gb, II 2 D Ex tb IIIC T95 °C Db
Certificate: TÜV 22 UKEX 7137 X
EXTB-3 Junction Box ExCam:
Model key: T12-3M20
ATEX: II 2 G Ex eb IIC T5 Gb, Ex II 2 D Ex tb IIIC T95°C Db IP66
Certificate: PTB 99 ATEX 3103
IECEx: Ex e IIC T5 Gb, Ex IIIC T95°C Db IP66
Certificate: IECEx PTB 06.0026
EAC Ex: 1Ex e IIC T5 Gb X, Ex tb IIIC T95°C Db X
Certificate: RU C-DE.AA71.B.00120

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), AES-XTS-Plain64 256bit SD card encryption
Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure keystore, secure boot

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)[2], IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS[2], TLS v1.2/v1.3[2], 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)
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*

General

Casing

IP66- and IP68-rated, ASTM 316L (EN 1.4404) stainless steel casing for maximum corrosion protection[3]

Power

Camera: Power over Ethernet Plus (PoE+) IEEE 802.3at, Type 2 Class 4, typical 11 W, max 17.1 W
AXIS T8154 60 W SFP Midspan:
100–240 V AC, max 74 W
Heaters: 24 V DC, max 60 W at -50 °C (-58 °F). Heaters shall be powered when operated in temperatures below 10 °C.

Connectors

EXTB-3 Junction Box ExCam:
10 terminal clamps UT 2.5
2 conductor terminal USLKG 5.3
3 M20 cable entries

Storage

Pre-installed AXIS Surveillance microSDXC Card 128 GB
Support for SD card encryption (AES-XTS-Plain64 256bit)
Support for recording to network-attached storage (NAS)
For SD card and NAS recommendations see *axis.com*

Operating conditions

-50 °C to 50 °C (-58 °F to 122 °F)
(Intermittent up to 60 °C/140 °F)
Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Dimensions

Height: 378 mm (14 7/8 in), ø 195 mm (7 11/16 in)

Weight

20 kg (44.1 lb)

Included accessories

Pre-connected 5 m (16 ft) ASKDP03-T Armoured Cable ExCam, AXIS T8154 60 W SFP Midspan, EXTB-3 Junction Box ExCam, AXIS Surveillance Card 128 GB, Installation guide, Windows® decoder 1-user license

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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).*
3. *The camera has been developed in cooperation with SAMCON Prozessleittechnik GmbH*

Optional accessories
Wall mount ExCam XPT, Pole mount ExCam XPT
Ex Connection Rail 4-port PoE
Ex Connection Rail 8-port PoE
SKDP03-T Cables ExCam 10 m (33 ft), 25 m (82 ft),
95 m (312 ft)
ASKDP03-T Armoured Cable ExCam 10 m (33 ft),
25 m (82 ft), 95 m (312 ft)

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

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

Sustainability

Substance control
PVC free
RoHS in accordance with EU RoHS Directive 2011/65/
EU/ and EN 63000:2018
REACH in accordance with (EC) No 1907/2006. For SCIP
UUID, see *echa.europa.eu*

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

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