

D201-S XPT Q6075 Explosion-Protected PTZ Camera

Class/Division- and Zone-certified high-speed PTZ dome camera

Certified (cFMus, ATEX, IECEx, INMETRO) for use in potentially combustible environments, D201-S 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. Built-in cybersecurity 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**
- > **cFMus, ATEX, IECEx, INMETRO**



D201-S 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: 220°, 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°, dynamic text and image overlay, polygon privacy masks, image freeze on PTZ, automatic defog, backlight compensation, highlight compensation
Scene profiles: forensic, indoor, outdoor, traffic overview

Network

Security

IP address filtering, HTTPS¹ encryption, IEEE 802.1x (EAP-TLS)¹ network access control, user access log, centralized certificate management

Network protocols

IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS¹, HTTP/2, TLS¹, 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, IGMP, 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)

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 M, ONVIF® Profile S and ONVIF® Profile T, specification at onvif.org

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 (ey@cryptsoft.com).

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, virtual input
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 55024, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-003 Class A, VCCI Class A, RCM AS/NZS CISPR 32 Class A
Australia/New Zealand: RCM AS/NZS CISPR 32 Class A
Canada: ICES-3(A)/NMB-3(A)
Japan: VCCI Class A
USA: FCC Part 15 Subpart B Class A

Safety

IEC/EN/UL 60950-1, IEC/EN/UL 60950-22, CAN/CSA-C22.2 No. 60950-22, EN 62368-1:2014/A11:2017, EN 60950-22:2017, IEC 62368-1:2014, IEC 60950-22, UL 62368-1:2014, UL 60950-22:2017, CAN/CSA C22.2 No.62368-1-14, CSA CAN/CSA C22.2 No. 60950-22-17

Environment

ANSI/IEC/CAN/CSA-C22.2 60529 IP66/67, NEMA 250 Type 4X

Network

NIST SP500-267

Cybersecurity

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

Explosion

ANSI/ISA/EN/IEC/CAN/CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/CSA-C22.2 60079-1, ANSI/UL/IEC/EC/CAN/CSA-C22.2 60079-31

Certifications

USA (Divisions):

Class I Division 1 Groups B,C,D T6, type 4X, IP66/67

Class II/III, Division 1, Groups E,F,G T6

Ta = -20 °C to 55 °C

Certificate: FM17US0156X

USA and Canada (Zones):

Class I, Zone 1, AEx/Ex db IIB+H2 T6 Gb Ta -20 °C to 55 °C, Type 4X, IP66/67

Zone 21, AEx/Ex tb IIIC T85 °C Db Ta = -20 °C to 55 °C, Type 4X, IP66/67

Certificate: FM17US0156X and FM18CA0103X

ATEX:

II 2 G Ex db IIB+H2 T6 Gb Ta = -20 °C to 55 °C, IP66/67

II 2 D Ex tb IIIC T85 °C Db Ta = -20 °C to 55 °C, IP66/67

Certificate: FM18ATEX0057X

IECEx:

Ex db IIB+H2 T6 Gb Ta = -20 °C to 55 °C, IP66/67

Ex tb IIIC T85 °C Db Ta = -20 °C to 55 °C, IP66/67

Certificate: FMG 18.0020X

INMETRO:

Ex db IIB+H2 T6 Gb Ta = -20 °C to 55 °C, IP66/67

Ex tb IIIC Db T85 °C Ta = -20 °C to 55 °C, IP66/67

Certificate number: NCC 20.0083 X

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: Secure boot, Axis Edge Vault with secure keystore (CC EAL4+, FIPS 140-2 level 2 certified hardware protection of cryptographic operations and keys)

Network security

IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2)², IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS², TLS v1.2/v1.3², 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

General

Casing

IP66/67-rated, electropolished EN 1.4404 (ASM 316L) stainless steel casing for maximum corrosion protection Prepared for American Petroleum Institute (API) DROP compliance, with additional safety wire for US offshore installations

Casing manufactured and certified by Spectrum Camera Solutions, LLC

US Patents 9917428, D858611

Sustainability

PVC free

Power

Axis High PoE 60 W SFP midspan: 100–240 V AC, max 66.1 W

Camera consumption: typical 14 W, max 51 W

Connectors

8-position terminal block for PoE + ground, one M20 conduit entry

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

-20 °C to 55 °C (-4 °F to 131 °F)

Arctic Temperature Control: Start-up at -20 °C (-4 °F)

Humidity 10–100% RH (condensing)

Storage conditions

-40 °C to 65 °C (-40 °F to 149 °F)

Dimensions

ø 8.6 in (218 mm)

Height: 15.9 in (404 mm)

Weight

68 lb (28 kg)

Included accessories

Installation guide, Windows® decoder 1-user license, Axis High PoE 60 W SFP midspan 1-port, AXIS Surveillance Card 128 GB, two hex keys (5 and 6 mm), thread adapter M20 to 3/4" NPT

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 (ey@cryptsoft.com).

Optional accessories

Wall Mount D201-S XPT, Wall Mount D101-A XF, Pole Mount D201-S XPT, Corner Mount D201-S XPT, AXIS T8310 Video Surveillance Control Board, multi-user decoder license pack
For more accessories, see axis.com

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