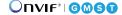# D201-S XPT Q6075 Explosion-Protected PTZ Camera

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, HTTPS[a] encryption, IEEE 802.1x (EAP-TLS)[a] network access control, user access log, centralized certificate management
Network protocols	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTPS[a], HTTP/2, TLS[a], 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* One-click cloud connection ONVIF® Profile G, ONVIF® Profile M, ONVIF® Profile S and ONVIF® Profile T, specification at *onvif.org*
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*

Cybersecurity

Edge security	**Software:** Signed firmware, brute force delay protection, digest authentication, password protection, 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)[a], HTTPS/HSTS[a], TLS v1.2/v1.3[a], Network Time Security (NTS), X.509 Certificate PKI, IP address filtering
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)
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 **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 **Explosion**

	ANSI/ISA/EN/IEC/CAN/CSA-C22.2 60079-0, ANSI/UL/EN/IEC/CAN/CSA-C22.2 60079-1, ANSI/UL/IEN/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
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
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*
Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available on *axis.com/vms*
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*

a. *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).*

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