

# 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**



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<b>Camera</b>		File upload via FTP, SFTP, HTTP, HTTPS network share and email Notification via email, HTTP, HTTPS and TCP MQTT publish
<b>Image sensor</b>	1/2.8" progressive scan RGB CMOS	
<b>Lens</b>	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	
<b>Day and night</b>	Automatically removable infrared-cut filter	
<b>Minimum illumination</b>	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	
<b>Shutter speed</b>	1/11000 s to 1/3 s	
<b>Pan/Tilt/Zoom</b>	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	
<b>System on chip (SoC)</b>		
<b>Model</b>	ARTPEC-7	
<b>Memory</b>	1024 MB RAM, 512 MB Flash	
<b>Video</b>		
<b>Video compression</b>	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	
<b>Resolution</b>	HDTV 1080p 1920x1080 to 320x180	
<b>Frame rate</b>	Up to 50/60 fps (50/60 Hz) in HDTV 1080p	
<b>Video streaming</b>	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	
<b>Image settings</b>	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	
<b>Network</b>		
<b>Security</b>	IP address filtering, HTTPS <sup>a</sup> encryption, IEEE 802.1x (EAP-TLS) <sup>a</sup> network access control, user access log	
<b>Network protocols</b>	IPv4, IPv6 USGv6, ICMPv4/ICMPv6, HTTP, HTTP/2, HTTPS <sup>a</sup> , TLS <sup>a</sup> , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP <sup>®</sup> , 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)	
<b>System integration</b>		
<b>Application Programming Interface</b>	Open API for software integration, including VAPIX <sup>®</sup> and AXIS Camera Application Platform; specifications at <a href="https://axis.com">axis.com</a> One-click cloud connection ONVIF <sup>®</sup> Profile G, ONVIF <sup>®</sup> Profile S, and ONVIF <sup>®</sup> Profile T, specification at <a href="https://onvif.org">onvif.org</a>	
<b>Event conditions</b>	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	
<b>Event actions</b>	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	
<b>Data streaming</b>	Event data	
<b>Built-in installation aids</b>	Pixel counter, leveling guide	
<b>Analytics</b>		
<b>Applications</b>	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 <a href="https://axis.com/acap">axis.com/acap</a>	
<b>Approvals</b>		
<b>EMC</b>	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	
<b>Network</b>	NIST SP500-267	
<b>Cybersecurity</b>	ETSI EN 303 645, FIPS 140	
<b>Explosion</b>	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	
<b>Midspan:</b>	EN 60950-1, GS, UL, cUL, CE, FCC, VCCI, CB, KCC, UL-AR	
<b>Certifications</b>	Model key: T08-TNXCD-LLH-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	
<b>Cybersecurity</b>		
<b>Edge security</b>	Software: Signed firmware, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 OpenID Authorization Code Flow for centralized ADFS account management, password protection, 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	
<b>Network security</b>	IEEE 802.1X (EAP-TLS, PEAP-MSCHAPv2) <sup>a</sup> , IEEE 802.1AE (MACsec PSK/EAP-TLS), HTTPS/HSTS <sup>a</sup> , TLS v1.2/v1.3 <sup>a</sup> , Network Time Security (NTS), X.509 Certificate PKI, host-based firewall	
<b>Documentation</b>	<i>AXIS OS Hardening Guide</i> <i>Axis Vulnerability Management Policy</i> <i>Axis Security Development Model</i> AXIS OS Software Bill of Material (SBOM) AXIS OS Software Bill of Material (SBOM) To download documents, go to <a href="https://axis.com/support/cybersecurity/resources">axis.com/support/cybersecurity/resources</a> To read more about Axis cybersecurity support, go to <a href="https://axis.com/cybersecurity">axis.com/cybersecurity</a>	
<b>General</b>		
<b>Casing</b>	IP66- and IP68-rated, ASTM 316L (EN 1.4404) stainless steel casing for maximum corrosion protection <sup>9</sup>	

<b>Power</b>	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.	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)
<b>Connectors</b>	EXTB-3 Junction Box ExCam: 10 terminal clamps UT 2.5 2 conductor terminal USLKG 5.3 3 M20 cable entries	<b>Video management software</b> AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available on <a href="https://axis.com/vms">axis.com/vms</a>
<b>Storage</b>	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 <a href="https://axis.com">axis.com</a>	<b>Languages</b> English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese, Dutch, Czech, Swedish, Finnish, Turkish, Thai, Vietnamese
<b>Operating conditions</b>	-50 °C to 50 °C (-58 °F to 122 °F) (Intermittent up to 60 °C/140 °F) Humidity 10–100% RH (condensing)	<b>Warranty</b> 5-year warranty, see <a href="https://axis.com/warranty">axis.com/warranty</a>
<b>Storage conditions</b>	-40 °C to 65 °C (-40 °F to 149 °F)	<b>Sustainability</b>
<b>Dimensions</b>	Height: 378 mm (14 7/8 in), ø 195 mm (7 11/16 in)	<b>Substance control</b> 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 <a href="https://echa.europa.eu">echa.europa.eu</a>
<b>Weight</b>	20 kg (44.1 lb)	<b>Environmental responsibility</b> <a href="https://axis.com/environmental-responsibility">axis.com/environmental-responsibility</a> Axis Communications is a signatory of the UN Global Compact, read more at <a href="https://unglobalcompact.org">unglobalcompact.org</a>
<b>Included accessories</b>	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	a. <i>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).</i> b. <i>The camera has been developed in cooperation with SAMCON Prozessleittechnik GmbH</i>
<b>Optional accessories</b>	Wall mount ExCam XPT, Pole mount ExCam XPT Ex Connection Rail 4-port PoE	