ExCam® XF Q1785

Datasheet.

Features.
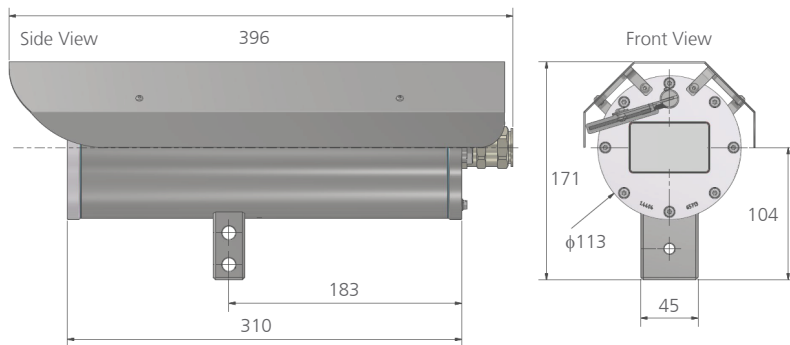
✓ Broad Certification Landscape for Hazardous Areas (ATEX, IECEx, EAC-Ex, INMETRO and more)
✓ Powerful Wiper Solution with Torque Control
✓ Arctic-Temperature-Control (-60°C)
✓ Single-Cable-Solution (PoE / 24VDC)
✓ Protection Level of IP68 (IEC 60529)
✓ High Resolution: 1920x1080 (HDTV 1080p)
✓ Powerful Motor-Zoom-Autofocus-Lens (32x Optical)
✓ Lightfinder and WDR Technologies
✓ Easy VMS Integration

Zones.

Group II (Gas & Dust)	ATEX / IECEx / ...				
Zone	0	1	2	21	22
For use in	✗	✓	✓	✓	✓

More certificates on request

Dimensions [mm].

Side View   396

183

310

Front View

171

φ113

104

45

Safety Wire

Data.

ExCam® XF Q1785

Explosion protection
Model key: T08-VA2.3.K3.BOR5-LL.H-005.A-T
Declaration of conformity: DIN EN/IEC/GOST... 60079-0, DIN EN/IEC/GOST... 60079-1,
DIN EN/IEC/GOST... 60079-7, DIN EN/IEC/GOST... 60079-31
Ex- Certificates: TUEV-18-ATEX-8218X, IECEx-TUR-18.0023X,
INMETRO TUEV 23.0363X, No. TC RU C-DE.HA65.B.01652/22,
TUEV-22-UKEX-7137X, PESO: A/P/HQ/KA/104/5735,
IA No.: MASC MS/18-3256X

Ex- Marking of the camera:
Explosion protection (gas):   ⟨Ex⟩ II 2G Ex db IIC T5 Gb
Explosion protection (dust):   ⟨Ex⟩ II 2D Ex tb IIIC T95°C Db
Ex- Marking of the junction box:
Explosion protection (gas):   ⟨Ex⟩ II 2G Ex eb IIC T5 Gb
Explosion protection (dust):   ⟨Ex⟩ II 2D Ex tb IIIC T95°C Db IP66

Mechanical Characteristics (CAM/TB)
   Stainless Steel (AISI 316L/1.4404), Polyester resin
Protection level (CAM/TB):   IP68, IP66 (IEC/EN 60529)
Weight: ca.11 kg

Range of temperature
   -60°C to +60°C

Camera power supply
   IEEE 802.3af/802.3at Type 1 Class 3, typical 7.7 W, max 12.95 W
Heater & Wiper power supply
   40W@24VDC@-60°C (see user manual)

Connection cable type
   WWW.SAMCON.EU ASKDP03-T Cat.6 / 4x2xAWG23/1 GN J/W (3G1.5)
Outside diameter: 15.5mm+-0.6mm

Lens
Type: 4.3 – 137 mm, F1.4 – 4.0, Autofocus
Field of view: HFoV: 60° – 2.3°, VFoW: 39° – 1.3°
Minimum illumination: Color: 0.16 lux at 50 IRE F1.4, B/W: 0.03 lux at 50 IRE F1.4

Camera
Image sensor: 1/2.8" progressive scan RGB CMOS
Shutter time: 1/66500 s to 1 s

Videocompression: H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Resolution: 1920x1080 HDTV 1080p
Frame rate: With WDR: Up to 30/25 fps (60/50 Hz) in all resolutions
Without WDR: Up to 60/50 fps (60/50 Hz) in all resolutions
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
Image settings: Saturation, contrast, brightness, sharpness, Forensic WDR, white balance, exposure mode, exposure zones,
compression, mirroring of images, electronic image stabilization, barrel distortion correction,
text and image overlay, dynamic text and image overlay, privacy masks, Rotation: 0°, 90°, 180°, 270°
including Corridor Format
Pan/Tilt/Zoom: 32x optical zoom, preset positions

Edge storage: SD/SDHC/SDXC slot supporting memory card up to 64 GB (card included);
Support for recording to dedicated network-attached storage (NAS)

Network
Security: Password protection, IP address filtering, HTTPS encryption,
digest authentication, user access log
Supported protocols: IPv4/v6, HTTP, HTTPS, QoS Layer 3 DiffServ, FTP, SMTP,
Bonjour, UPnP, SNMPv1/v2c/, v3(MIB-II),
DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, etc...

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, gatekeeper Supported AXIS Perimeter Defender,
AXIS Cross Line Detection Support for AXIS Camera Application Platform enabling installation of
third-party applications, see www.axis.com/acap
Event triggers: Analytics, edge storage events, supervised external input, edge storage events, virtual inputs
through API
Event actions: Pre- and post-alarm video buffering
File upload: FTP, SFTP, HTTP, HTTPS, network share and email
Notification: email, HTTP, HTTPS, TCP and SNMP trap
Data streaming: Event data
Built-in installation aids: Pixel counter

Optional accessories
   Wall mount bracket, Pole mount bracket, Ceiling mount bracket,
Non-armoured cable kits, armoured cable kits
ExConnection Rails, ...

SAMCON
Prozessleittechnik GmbH

Schillerstrasse 17
D-35102 Lohra-Altenvers

info@samcon.eu
T: +49 6426 9231-0
F: +49 6426 9231-31