

# ExCam<sup>®</sup> XPT Q6055



## Datasheet.

### Features.

- ✓ Broad Certification Landscape for Hazardous Areas (ATEX, IECEx & EAC-Ex and more)
- ✓ High resolution: 1920x1080 (HDTV 1080p)
- ✓ Powerful motor zoom (32x optical)
- ✓ Scratch and heat resistant LEXAN<sup>™</sup> Dome for perfect optical quality
- ✓ Dynamic PTC heating concept for arctic temperatures (-50°C)
- ✓ Equipped with automatic temperature control
- ✓ Endless and very fast and precise PAN drive (0.05° – 450°/s)
- ✓ Very fast and precise TILT drive (0.05° – 450°/s)
- ✓ Pre-wired Ex-e Junction Box for Plug & Play commissioning



### Zones.

| Group I (Mining) | ATEX / IECEx / EAC-Ex |    | Group II (Gas & Dust) |  |  |  |  | ATEX / IECEx / EAC-Ex |   |   |    |    |
|------------------|-----------------------|----|-----------------------|--|--|--|--|-----------------------|---|---|----|----|
| Category         | Ma                    | Mb | Zone                  |  |  |  |  | 0                     | 1 | 2 | 21 | 22 |
| For use in       | ✗                     | ✗  |                       |  |  |  |  | ✗                     | ✓ | ✓ | ✓  | ✓  |

Further certifications upon request.

### Dimensions.



## Data.



### Explosion protection

Model key:

Declaration of conformity:

Ex- Certificates:

Ex- Marking of the camera:

Explosion protection (gas):

Explosion protection (dust):

Ex- Marking of the junction box:

Explosion protection (gas):

Explosion protection (dust):

T08-TNXCD-LL.H-005.A-T

DIN EN/IEC/GOST ... 60079-0, DIN EN/IEC/GOST ... 60079-1,

DIN EN/IEC/GOST ... 60079-7, DIN EN/IEC/GOST ... 60079-31

TUEV-18-ATEX-8218X, IECEx-TUR-18.0023X,

No. TC RU C-DE.AB.61.B.00381/19, IA No: MASC MS/18-3256X

II 2G Ex db IIC T6 Gb

II 2D Ex tb IIIC T80°C Db

II 2G Ex eb IIC T5 Gb

II 2D Ex tb IIIC T95°C Db IP66



### Housing material:

Protection level:

Weight:

Stainless Steel (AISI 316L/1.4404), Polyester resin

IP68, IP66 (IEC/EN 60529)

ca.20 kg



### Range of temperature:

-50°C to +60°C



### Camera power supply:

Heater power supply:

IEEE 802.3at Type 2 Class 4 (PoE+), typical:13W, max. 19W

Max. 60W@24VDC@-50°C (see user manual)



### Connection cable type:

Outside diameter:

Twisted pair structure (data):

Power elements:

WWW.SAMCON.EU ASKDP03-T / Cat.6 / 4x2xAWG22/1 GN J/W 3G1.5

17 ± 0.5 mm

4 x 2 x AWG22/1 CAT.6a

3 x 1.5 mm<sup>2</sup>



### Lens

Type:

Horizontal angle of view:

Minimum illumination:

f= 4.44 - 142.6 mm, 1.6 - 4.41, Autofocus, Auto-Iris, Automatic day/night

62.8° - 2.23°

Color: 0.3 lux at 30 IRE F1.6, B/W: 0.03 lux at 30 IRE F1.6



### Camera

Image sensor:

Shutter time:

Video compression:

Resolutions:

Frame rate H.264 / Motion JPEG:

Progressive scan CMOS 1/2.8"

1/33000 s to 1/3 s (50 Hz), 1/33000 s to 1/4 s (60 Hz)

H.264 Main and Baseline Profiles (MPEG-4 Part 10/AVC), Motion JPEG

1920x1080 (HDTV 1080p) to 320x180

Up to 50/60 fps (50/60 Hz) in HDTV 720p

Up to 25/30 fps (50/60 Hz) in HDTV 1080p

Pan: 360° endless, 0.05° – 450°/s, Tilt: 180°, 0.05° – 450°/s,

32x optical zoom and 12x digital zoom, Total 384x zoom,

E-flip, 256 presets, Tour recording, Guard tour, Control queue,

On-screen directional indicator, Set new pan 0°

Video streaming:

Multiple, individually configurable streams in H.264 and Motion JPEG

Controllable frame rate and bandwidth; VBR/CBR H.264

Image settings:

Wide dynamic range (WDR), Highlight compensation, Manual shutter time,

Compression, Color, Brightness, Sharpness, White balance, Exposure control,

Exposure zones, Backlight compensation, Fine tuning of behavior at low light,

Rotation, Text and image overlay, 32 individual 3D privacy masks,

Image freeze on PTZ, Automatic defog

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:

Supported protocols:

Application Programming Interface:

Intelligent video:

Alarm events:

Password protection, IP address filtering, HTTPS\* encryption, digest authentication, user access log

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...

Open API for software integration, including supporting

the ONVIF S specification available at <http://onvif.org>,

as well as VAPIX® from Axis Communications,

Basic analytics (not to be compared with third-party analytics):

Video motion detection, Highlight compensation, Object

removed, Enter/exit detector, Fence detector, Object counter

Autotracking, Active Gatekeeper, AXIS Camera Application

Platform enabling installation of additional applications

File upload via FTP, HTTP and email notification via email, HTTP and TCP,

Video recording to edge storage. 4 configurable alarm inputs and outputs

**Included accessories:**

1 x AXIS T8154 SFP Midspan, 1 x AXIS Surveillance Card 64 GB

**Optional accessories:**

Wall mount bracket, Pole mount bracket, Ceiling mount bracket,

Non-armoured cable kits, armoured cable kits

ExConnection Rails, ...