ExCam® IPQ6075

Datasheet.

Features.

✓ Broad Certification Landscape for Hazardous Areas
  (ATEX, IECEx, INMETRO, EAC-Ex and more)
✓ High Resolution: 1920x1080 (HDTV 1080p)
✓ Powerful Motor Zoom (40x optical)
✓ Scratch and Heat Resistant LEXAN™ 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)
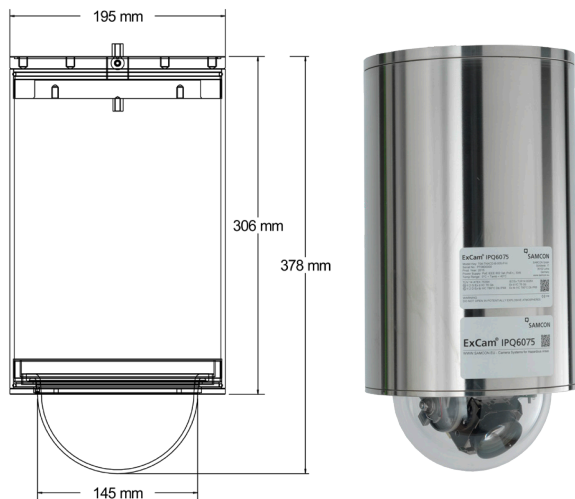✓ Very fast and precise TILT Drive (0.05° – 450°/s)

Zones.

Group I (Mining)	ATEX / IECEx / ...	
Category	Ma	Mb
For use in	✗	✗

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

Further certifications upon request.

Dimensions.

T08- TNXCD- X.H- XXX.X- X

195 mm
306 mm
378 mm
145 mm

Models.

T08- TNXCD- X.H- XXX.X- X

P = Plug RJ45 cable connector
T = Terminal box (Ex-e) connection

N = Non armoured cable
A = Armoured cable

__ = Length of cable pig tail in meter (005 to 100)

N = High Temp. (T_amb ≤ +60°C)

N = Normal Temp., no heater installed (T_amb ≥ 0°C)
LL = Low Low Temp.,PTC heater installed (T_amb ≥ -50°C)

TNXCD = Stainless steel dome enclosure

T08 = ATEX, IECEx & EAC-Ex Camera type No. 08 (TÜV 18...)

Data.

Explosion protection

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):   ⓒ II 2G Ex db IIC T6 Gb
Explosion protection (dust):   ⓒ II 2D Ex tb IIIC T80°C Db
Ex- Marking of the junction box:
Explosion protection (gas):   ⓒ II 2G Ex eb IIC T5 Gb
Explosion protection (dust):   ⓒ II 2D Ex tb IIIC T95°C Db

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Mechanical characteristics:

Housing material:	Camera: Stainless Steel (AISI 316L/1.4404), Terminal box: Polyester resin
Protection level (Camera/Terminal box):	IP68 / IP66 (IEC/EN 60529)
Weight:	Approx. 20 kg*

Range of temperature:
-50°C to +60°C*

Camera power supply:
IEEE 802.3at Type 2 Class 4 (PoE+), typical:11W, max. 17.1W
Heater power supply:
Max. 60W@24VDC@-50°C (see user manual)**

Connection cable type:
WWW.SAMCON.EU ... / Cat.6 / 4x2xAWG23*
Outside diameter:
8.9 mm to 12.4 mm

Lens

Type:	f= 4.25 - 170.0 mm, F1.6 - 4.95, Autofocus, Auto-Iris, Automatic day/night
Horizontal angle of view:	65° - 2°
Minimum illumination:	Color: 0.1 lux at 30 IRE F1.6, B/W: 0.002 lux at 30 IRE F1.6

Camera

Image sensor:	Progressive scan CMOS 1/2.8"
Shutter time:	1/11000 s to 1/3 s (50 Hz), 1/11000 s to 1/4 s (60 Hz)
Video compression:	H.264 Main and High Profile Baseline (MPEG-4 Part 10/AVC), H.265 Main Profile (MPEG-H Part 2 HEVC), Motion JPEG
Resolutions:	1920x1080 (HDTV 1080p) to 320x180
Frame rate H.264 / Motion JPEG:	Up to 50/60 fps (50/60 Hz) in HDTV 720p Up to 25/30 fps (50/60 Hz) in HDTV 1080p
Pan/Tilt/Zoom:	Pan: 360° endless, 0.05° – 450°/s, Tilt: 166°, 0.05° – 450°/s, 40x optical zoom and 12x digital zoom, total 480x 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, H.265 and Motion JPEG Controllable frame rate and bandwidth; VBR/CBR H.264/H.265
Image settings:	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 not 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...
Application Programming Interface:	Open API for software integration, including supporting the ONVIF S specification available at http://onvif.org, as well as VAPIX® from Axis Communications,
Intelligent video:	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
Alarm events:	File upload via FTP, HTTP and email notification via email, HTTP and TCP, Video recording to edge storage. 4 configurable alarm inputs and outputs

Optional accessories:
Wall mount bracket, Pole mount bracket, Ceiling mount bracket,
ExConnection Rails, ...

* = depending on model (see user manual)
** = only for LL models