

ExCam® IPP1280

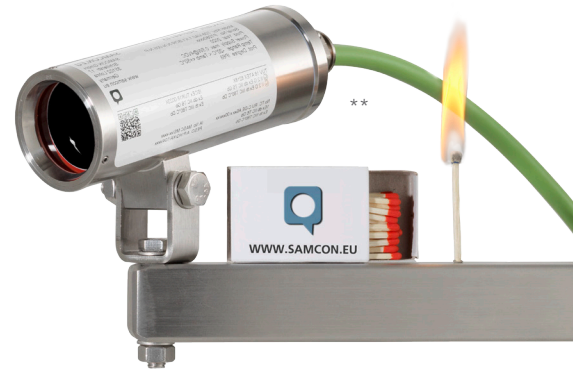


Datasheet.

Ultra compact ATEX, IECEx & EAC-Ex certified thermal network camera

Features.

- ✓ Certification for Hazardous Areas
- ✓ Ultra-Compact and Lightweight Sensor Unit in Combination with a Main Unit
- ✓ Thermal Technology for Low False Alarm Rate
- ✓ Single-Cable-Solution (PoE)
- ✓ Protection Level of IP68/IP66 (IEC 60529)
- ✓ Resolution Thermal: 208x156



Zones.

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

More certificates upon request

Distance Ranges [m].

Johnson's criteria (theoretical values)	Human 1.8 x 0.5 m	Vehicle 4 x 1.5 m
Detection (1.5 pixels on target)	166 - 182	511 - 559
Recognition (6 pixels on target)	41 - 45	127 - 139
Identification (12 pixels on target)	20 - 22	63 - 69

Information without liability - values may vary

Models.

T08-VA.0.1.K1.GER- N.N- 005. N- X

↓ P = Plug RJ12 cable connector*
 ↓ TD = Ethernet connector in a junction box (Ex-d)
 ↓ N = Non armoured cable
 ↓ — = Cable length (005 = standard, 025 = max.)
 ↓ N = Max. temp. (Tamb ≤ +60°C)
 ↓ N = Min. temp. (Tamb ≥ -30°C)

VA0.1.K1.GER = Stainless steel housing 1.4404 with germanium sight glass

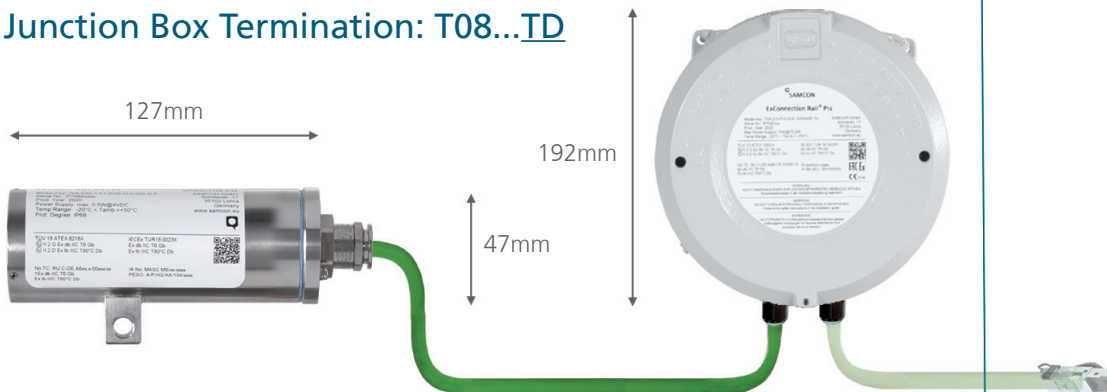
T08 = ATEX, IECEx & EAC-Ex Camera type No. 08 (TÜV 18...)

Model Variants.

Plug Termination: T08...P



Junction Box Termination: T08...TD



Data.

ExCam® IPP1280



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Explosion protection

Declaration of conformity:



Ex- certificates Sensor Unit:



Ex- certificates Main Unit (for T08...-TD):

Ex- Marking Sensor Unit:
Explosion protection (gas):
Explosion protection (dust):
Ex- Marking Main Unit (T08...-TD):
Explosion protection (gas):
Explosion protection (dust):

DIN EN/IEC/GOST ... 60079-0,
DIN EN/IEC/GOST ... 60079-1, DIN EN/IEC/GOST ... 60079-31
TUEV-18-ATEX-8218X, IECEx-TUR-18.0023X,
No. TC RU C-DE.HA65.B.01652/22, TUEV-22-UKEX-7137X
TUEV-10-ATEX-7969X, IECEx-TUR-16.0025X,
No. TC RU C-DE.AB.61.B.00380/19

II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T80°C Db

II 2G Ex d IIC T6 Gb
II 2D Ex tb IIIC T80°C Db



Mechanical characteristics:

Sensor Unit:
Main Unit:

Protection level (cam/ExConnection Rail):
Weight:

Stainless Steel (AISI 316L/1.4404)
T08...-TD: aluminium, copper free and see water resistant
T08...-P: polycarbonat
IP68/IP66 (IEC/EN 60529)
Sensor Unit: 0.7 kg
Main Unit (T08...-TD): 4 kg
Main Unit (T08...-P): 0.72 kg



Range of temperature:



Power supply:

Sensor Unit: -30°C to +60°C
Main Unit: -20°C to +50°C

IEEE 802.3af/802.3at Type 1 Class 2 typical 2.5 W, max 4.0 W



Connection cable type:

Outside diameter:

WWW.SAMCON.EU ... Cat.6 / 4x2xAWG24/7 ...
8.7 mm*



Lens

Type:
Field of view:
Minimum object distance:

Athermalized, 4 mm, F1.2
HFOV: 35.4° – 28°
1 m



Camera

Image sensor:
Resolution:
Pixel size:
Spectral range:
Sensitivity:
Videocompression:
Frame rate:
Video streaming:

Uncooled microbolometer
208x156 p, image scalable up to 640x480
12 µm
8 - 14 µm
NETD < 100 mK
H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles Motion JPEG
Up to 8.3 fps
Multiple, individually configurable streams in H.264 and Motion JPEG
Axis Zipstream technology in H.264

Image settings:

Controllable frame rate and bandwidth, VBR/MBR H.264
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
microSD/SDHC/SDXC slot supporting memory card up to 64 GB (card not included);
Support for recording to dedicated network-attached storage (NAS)

Edge storage:



Network

Security:
Supported protocols:

100BaseTX (from the Main Unit)
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), etc...



System integration

Application programming interface:

Analytics included:

Event triggers:

Event actions:

Data streaming:

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,
ONVIF® Profile G and ONVIF® Profile T, specification at onvif.org
AXIS Video Motion Detection, AXIS Guard Suite, AXIS Cross Line Detection Support
for AXIS Camera Application Platform enabling installation of third-party applications,
see www.axis.com/acap
Analytics, hardware temperature, edge storage events, time scheduled, video motion
detection, live stream accessed, edge storage events, virtual inputs through API
Pre- and post-alarm video buffering
File upload: FTP, SFTP, HTTP, HTTPS, network share and email
Notification: email, HTTP, HTTPS, TCP and SNMP trap
Event data

Optional accessories:

Wall mount bracket (WMB), Pole mount bracket (PMB)

* = Cable is not longitudinal tight (see UM); Please observe the requirements of DIN/EN/IEC 60079-14.
** = Illustrations show models with accessories that are subjected to an extra charge

