



# ExCam® Series



## Accessories and equipment

We offer a wide range of accessories and additional equipment – ranging from flexible mounting accessories, cables, video servers, terminal boxes to visualizing concepts. We do everything to get your visuals where you need them.



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Schillerstrasse 17  
D-35102 Lohra-Altenvers

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

## Project planning

You are not sure whether the ExCam Series suits your needs? You do not know which camera is the best for your specific application?

### Contact us – we will be pleased to advise you!

Our core competence is the planning and implementation of camera systems in the hazardous area and to reach the optimum solution for our customers. Whether it be planning of camera networks, lighting tests, fine planning, assembly supervision or commissioning.



Find out more about SAMCON, check out datasheets, additional information or watch demo videos on our website: [www.samcon.eu](http://www.samcon.eu). In case you have any additional questions - not only regarding our ExCam Series or would like us to present one of our cameras at your site, please do not hesitate to contact us at any time!

- European ATEX Certification
- International IECEx Certification
- EAC-Ex Certification
- INMETRO Certification
- UKCA Certification
- PESO and MASC Certification
- IP66 Protection Level (stream jet water tight)
- IP68 Protection Level (water tight)
- Mining Certification
- Intelligente heating concept for down to -60°C
- Cooling system (cool.Jacket) for up to +130°C
- Thermal technology

## Cameras with an analog signal output

	Product	Model-Keys	Ex-Certification <sup>1</sup>	Prot.-Level	Enclosure Material <sup>2</sup>	T <sub>min</sub> / T <sub>max</sub> <sup>3</sup>	Power Supply	Lens/IR-Filter	Min.-Illumination	Angle of View	Signal <sup>4</sup>	Video-comp. / Resolution <sup>5</sup>	More Info
	ExCam miniTube	T08-VA0.1...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, PESO & MASC: Dust & Gas	IP66/68	Stainless Steel	-10°C / +50°C	12 V DC / 1.2 W	FIX / YES	0.01 lx	80° (wide) / 41° (tele)	AHD / FBAS	1/2, 9" CMOS	
	ExCam e.Vario	T08-VA1.2...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, PESO & MASC: Dust & Gas	IP66/68	Stainless Steel	-40°C / +50°C	14 V DC to 30 V DC / 2.6 W	VARI-FOCAL / YES	0.1 lx	65° (wide) / 31.2° (tele)	CVBS / AHD / TVI / CVI	1/2, 8" CMOS	

## TCP/IP Network cameras

	Product	Model-Keys	Ex-Certification <sup>1</sup>	Prot.-Level	Enclosure Material <sup>2</sup>	T <sub>min</sub> / T <sub>max</sub> <sup>3</sup>	Power Supply	Lens/IR-Filter	Min.-Illumination	Angle of View	Signal <sup>4</sup>	Video-comp. / Resolution <sup>5</sup>	More Info
	ExCam microTube IP	T08-VA0.4...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust, Gas & Mining	IP66/68	Stainless Steel	-20°C / +50°C	PoE, IEEE 802.3af Class 1 / 2.5 W	FIX / YES	0.05 lx	80° (wide)	TCP/IP / RTSP / HTTP... / ONVIF®	MJPEG / H.264 / 1920x1080 / 2.1 MP	
	ExCam miniTube IP	T08-VA1.2...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust, Gas & Mining	IP66/68	Stainless Steel	-30°C / +50°C	PoE, IEEE 802.3af Class 2 / Max. 4.4 W / Typ. 3.0 W	VARIO FOCUS (4x) / YES	0.0008 lx	80° (wide)	TCP/IP / RTSP / HTTP... / ONVIF®	MJPEG / H.264/265 / 1920x1080 / 2.1 MP	
	ExCam IPM2036	T08-VA2.0...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust & Gas, Mining	IP66/68	Stainless Steel	-60°C / +60°C (+120°C with accessory)	PoE, IEEE 802.3at Class 3 / Max. 12.95 W / Typ. 5.0 W	FIX / YES	0.04 lx	85° (wide) / 41° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 2668x1512	
	ExCam IPM1137	T08-VA2.1... / T08-VA2.3...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust, Gas & Mining	IP66/68	Stainless Steel	-45°C / +50°C	PoE, PoE++ Class 3/6/5 / Max. 7.2-51W; / Typ. 4.5-35.5W	REMOTE ZOOM, & REMOTE FOCUS / YES	Color: 0.17 lx, B/W: 0.03 lx	103° (wide) / 31° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 2592x1944 / 5 MP	
	ExCam IPP1275	T08-VA0.1...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, PESO & MASC: Dust & Gas	IP66/68	Stainless Steel	-20°C / +50°C	PoE, IEEE 802.3af Class 2 / Max. 4.1 W / Typ. 3.4 W	VARIO FOCUS / NO	Color: 0.22 lx	82° (wide) / 53° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264 / 1920x1080	
	ExCam IPP1387	T08-VA2.3...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust & Gas, Mining	IP66/68	Stainless Steel	-60°C / +60°C	PoE, IEEE 802.3af Class 3 / Max. 11.7 W / Typ. 4.2 W	REMOTE ZOOM & FOCUS / YES	Color: 0.13 lx, F1.2 B/W: 0.03 lx, F1.2	103° (wide) / 38° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 2592x1944 / 5 MP	
	ExCam IPQ1656	T08-VA2.3...	ATEX, IECEx & EAC-Ex, ...: Dust, Gas & Mining	IP66/68	Stainless Steel	-60°C / +60°C (+130°C with accessory)	PoE, IEEE 802.3af Klasse 3 / Max. 8.2W / Typ. 5.1 W	REMOTE ZOOM & FOCUS / YES	Color: 0.05 lx, B/W: 0.01 lx	100° (wide) - 47° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 2688x1512 / 4 MP	
	ExCam IPQ1785	T08-VA2.3...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust & Gas, Mining	IP66/68	Stainless Steel	-60°C / +60°C	PoE, IEEE 802.3af Class 3 / Max. 12.9 W / Typ. 7.7 W	MOTOR ZOOM(32) AUTO FOCUS / YES	Color: 0.16 lx, F1.2 B/W: 0.03 lx, F1.2	60° (wide) - 2.3° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264 / 1920x1200	
	ExCam IPQ1715	T08-VA2.2...	ATEX, IECEx, EAC-Ex, UKEX, INMETRO, ...: Dust & Gas, Mining	IP66/68	Stainless Steel	-60°C / +50°C (+120°C with accessory)	PoE, IEEE 802.3af Klasse 4 / Max. 13.5 W / Typ. 12.0	MOTOR ZOOM(21) AUTO FOCUS / YES	Color: 0.1 lx, B/W: 0.02	76° (wide) / 3.6° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264, H.265 / 1920x1080	
	ExCam IPP3827	T08-VA4.1K, PS1...	ATEX, IECEx, INMETRO, EAC-Ex, ...: Dust & Gas	IP66/68	Stainless Steel	-50°C / +60°C	PoE, IEEE 802.3at Klasse 4 (PoE+) / Max. 18 W	4x1/2.8" RGB CMOS	Color: 0.15 lx, B/W: 0.05 lx	180° Panoramic / 90° vertikal	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 3712x1856 / 7MP	
	ExCam IPP5655 MKII	T08-VA4.1K, PS1...	ATEX, IECEx, INMETRO, EAC-Ex, ...: Dust & Gas	IP66/68	Stainless Steel	-30°C / +60°C	PoE, IEEE 802.3at (PoE+) / Max. 19 W	32xMotor Zoom, PTZ / YES	Color: 0.1 lx, B/W: 0.02 lx	58.3° (wide) / 2.4° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264 / 1920x1080 @25fps / 2.1 MP	
	ExCam IPQ6075	T08-TNXC...	ATEX, IECEx & EAC-Ex: Dust & Gas	IP66/68	Stainless Steel	-50°C / +60°C	PoE, IEEE 802.3at (PoE+) / Max. 17.1W	40xMotor Zoom, PTZ / YES	Color: 0.1 lx, B/W: 0.002 lx	65° (wide) / 2° (tele)	TCP/IP / RTSP / HTTP... / ONVIF®	MJPEG / H.264 / 1920x1080	

## Thermal-Cameras

	Product	ExCam IPP1280	ExCam XI80	ExCam XI410
	Model-Keys	T08-VA0.1...	T08-VA0.4...	T08-VA0.4...
	Ex-Certification <sup>1</sup>	ATEX, IECEx & EAC-Ex, ...: Dust, Gas	ATEX, IECEx & EAC-Ex, ...: Dust, Gas	ATEX, IECEx & EAC-Ex, ...: Dust, Gas
	Protection Level	IP66/68	IP66/68	IP66/68
	Enclosure Material <sup>2</sup> Weight	Stainless Steel 0.7g	Stainless Steel 0.9g	Stainless Steel 0.9g
	Ambient Temperature T <sub>min</sub> / T <sub>max</sub> <sup>3</sup>	-30°C / +60°C	-10°C / +50°C	-10°C / +50°C
	Temperature Measured Objects T <sub>mess</sub>	-66°C / +89°C	-20°C...900°C switchable	-20°C...900°C switchable
	IR-Thermometer	NO	YES	YES
	Spot-Finder	NO	YES	YES
	Elektr. Connection / Power Supply	FA54 Main Unit	Ethernet, 10-30VDC	Ethernet, 10-30VDC
	System Cable/ max. Length	SKD04-T.flex/ 25m	SKDP03-T / 100m	SKDP03-T / 100m
	Angle of View	35.4°	55° standard / 12° tele / 30° normal / 80° wide	53° standard / 18° tele / 29° normal / 80° wide
	MOD (min. Object Distance)	1m	0.2m	0.2m
	Motor Focus	NO	YES	YES
	Optical Resolution	208x156	80x80	384x240
	Frame Rate	8.3 Hz	50 Hz	25 Hz
	Sensitivity (NETD)	<100mK	<100mK	<80mK
	Technology / Image Sensor	Uncooled Microbolometer (UFPA)	Uncooled Microbolometer (UFPA)	Uncooled Microbolometer (UFPA)
	Spectral Range	8-14 µm	8-14 µm	8-14 µm
	Visualization and Operation	Webinterface via FA54 Main Unit	Optris PixConnect Software	Optris PixConnect Software
	Multi User	YES	NO	NO
	Process Interface (AO/DI/DO)	NO	YES (4-20mA)	YES (4-20mA)
	More Information			

## Device-Combination Camera with Light

	Product	Model Key	Ex-Certification <sup>1</sup>	Prot.-Level	Enclosure Material <sup>2</sup>	T <sub>min</sub> / T <sub>max</sub> <sup>3</sup>	Power Supply	Lens/IR-Filter	Min.-Illumination	Angle of View	Signal <sup>4</sup>	Video-comp. / Resolution <sup>5</sup>	More Info
	ExCam IPM1137-LE	T08-VA2.2... / T20-VA0.1	ATEX, IECEx / Dust & Gas	IP66/68	Stainless Steel	-30°C / +50°C	Camera: PoE, IEEE 802.3af Class 4 / Max. 25.5W / Typ. 19.5 W / Light: 12.9W@24VDC	REMOTE ZOOM, & REMOTE FOCUS / YES	Color: 0.17 lx, B/W: 0.03 lx	103° (wide) / 54° (tele)	TCP/IP / RTSP / HTTP... / VAPIX® / ONVIF®	MJPEG / H.264/265 / 2592x1944 / 5 MP	

\*1: Ex Certification (see Model Key):

ATEX Marking & Certification:  
 Gas: II 2G Ex db IIC T6 Gb  
 Dust: II 2D Ex tb IIIC T80°C Db  
 Mining: I M2 Ex db I T6 Mb

IECEx & EAC-Ex Marking & Certification:  
 Gas: Ex db IIC T6 Gb  
 Dust: Ex tb IIIC T80°C Db  
 Mining: Ex db I T6 Mb

\*2: Housing Materials:

Stainless Steel  
 1.4301 / 1.4401 / 1.4404  
 (AISI 304 / 316 / 316L)

\*3: Ambient Temperature:

Please see Model Key.

\*4: Video Signal:

PAL CVBS/FBAS/AHD/TVI/CVI as standard  
 NTSC Models on demand