



- High-resolution IP thermal imaging camera with advanced radiometry
- Certified for hazardous Zones 1, 2, 21, 22 acc. to ATEX, IECEx, NEC, CEC, EAC
- Enclosure made from electropolished stainless steel (316L), ideal for clean rooms as well as the oil and gas industries
- Delivery with armoured cable or cable set (NEC / CEC)

A9

WebCode **EC840STICIA**



R. STAHL's EC-840S-TIC IP thermal imaging camera is one of the most modern explosion-protected cameras currently on the market. IP-based cameras are also enhanced with advanced radiometric functions that allow temperature detection based on the 4 central pixels of the image and they are capable of measuring the temperature of a specific object in any point of the image by defining a specific area. This range of versions includes a suitable model for every surveillance system: The IP cameras support the ONVIF protocol (profile S, Q, thermal service) for network integration worldwide. All models are available with either high or medium resolution. These surveillance cameras are certified acc. to ATEX, IECEx, NEC, CEC and EAC for hazardous zones 1, 2, 21 and 22 and are therefore suitable for installation in many regions.

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•		•		

	CEC Section 18					
	NEC ^o 505			NEC ^o 506		
	Class I					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•



Selection Table						
Resolution	< 30 mK to f/1.0					
Network protocol	ONVIF Profile Q,S,Thermal					
Rated operational voltage AC	24 V					
Rated operational voltage DC	12 – 24 V					
Degree of protection (IP)	IP66, 68					
Note on degree of protection	IP69 only enclosure					
Product Type	Viewing angle	Person (view/detect/identify)	Total pixels	Certifications	Art. No.	Weight kg
EC-840S-TIC-35I-DR2-456-B	18° H, 14° V	1140 m / 280 m / 142 m	640 (H) x 512 (V)	ATEX, IECEx, EAC	278869	8.500
EC-840S-TIC-35I-DR2-F55-B	18° H, 14° V	1140 m / 280 m / 142 m	640 (H) x 512 (V)	ATEX, IECEx, EAC, NEC, CEC	279759	8.500
EC-840S-TIC-35I-IR2-456-B	9,3° H, 7,1° V	1280 m / 320 m / 160 m	336 (H) x 256 (V)	ATEX, IECEx, EAC	279862	8.500
EC-840S-TIC-35I-IR2-F55-B	9,3° H, 7,1° V	1280 m / 320 m / 160 m	336 (H) x 256 (V)	ATEX, IECEx, EAC, NEC, CEC	279863	8.500
EC-840S-TIC-19I-UR2-456-B	32° H, 26° V	570 m / 144 m / 72 m	640 (H) x 512 (V)	ATEX, IECEx, EAC	279866	8.500
EC-840S-TIC-19I-UR2-F55-B	32° H, 26° V	570 m / 144 m / 72 m	640 (H) x 512 (V)	ATEX, IECEx, EAC, NEC, CEC	279867	8.500
EC-840S-TIC-19I-ZR2-456-B	17° H, 13° V	640 m / 180 m / 80 m	336 (H) x 256 (V)	ATEX, IECEx, EAC	279868	8.500
EC-840S-TIC-19I-ZR2-F55-B	17° H, 13° V	640 m / 180 m / 80 m	336 (H) x 256 (V)	ATEX, IECEx, EAC, NEC, CEC	279869	8.500
EC-840S-TIC-09I-HR2-456-B	69° H, 56° V	250 m / 63 m / 31 m	640 (H) x 512 (V)	ATEX, IECEx, EAC	279760	8.500

Selection Table

Resolution	< 30 mK to f/1.0					
Network protocol	ONVIF Profile Q,S,Thermal					
Rated operational voltage AC	24 V					
Rated operational voltage DC	12 – 24 V					
Degree of protection (IP)	IP66, 68					
Note on degree of protection	IP69 only enclosure					
Product Type	Viewing angle	Person (view/detect/identify)	Total pixels	Certifications	Art. No.	Weight kg
EC-840S-TIC-09I-HR2-F55-B	69° H, 56° V	250 m / 63 m / 31 m	640 (H) x 512 (V)	ATEX, IECEx, EAC, NEC, CEC	279861	8.500
EC-840S-TIC-09I-QR2-456-B	35° H, 27° V	285 m / 71 m / 36 m	336 (H) x 256 (V)	ATEX, IECEx, EAC	279864	8.500
EC-840S-TIC-09I-QR2-F55-B	35° H, 27° V	285 m / 71 m / 36 m	336 (H) x 256 (V)	ATEX, IECEx, EAC, NEC, CEC	279865	8.500

Accessories

Figure	Description	Art. No.	Weight kg
Camera multi-cable armoured			
	VB-CAM-MULTI-Ethernet-ARM 1 x Ethernet cable 3 x power supplies 2.5 mm ² 7 x data cable 0.34 mm ² -60 °C ... +80 °C 19.2 ±0.5 mm outer diameter IEC 60332-1 flame-resistant IEC 60754-2 halogen-free DIN 60811-404 oil-resistant NEK 606 mud-resistant Price per metre	252571 ▲	0.472
Ex e Terminal box			
	JCT-8146-Ethernet+Analog 5xcable glands Terminal box, polyester resin Version for ethernet or analog cameras 5 x cable glands: 2 x CMP-25SC2KVAR KLE MsNi M25x1.5 1 x 8161/7-M25-1707 with red stopping plug 2 x 8161/7-M20-1304 with red stopping plug usable for: EC-750, EC-910-AFZ, EC-940S-AFZ (ATEX, IECEx) EC-840S-TIC (ATEX, IECEx), EC-940-PTZ, Water tank	265668	0.800
Wall bracket			
	Wall Bracket EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 40 kg Length: 420 mm	251387	2.000
Pole adapter module			
	Pole adapter module EC-x40S Suitable for EC-x40S For pole diameter 110 ... 150 mm Material: 316L stainless steel, electropolished Capacity: max. 50 kg Weight: 3.3 kg Only together with wall bracket EC-x40S type 251387	251380	3.300
Corner adapter module			
	Corner adapter module EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 50 kg Only together with wall bracket EC-x40S type 251387	251381	2.000

Accessories			
Figure	Description	Art. No.	Weight kg
Parapet mounting bracket			
	Parapet mounting bracket EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 70 kg Height: 124 mm Only together with ball joint adapter EC-x40S type 251388	251386	0.900
Ball joint			
	Ball joint x40S 316L stainless steel, electropolished Capacity: max. 40 kg Diameter: 101.6 mm	251388	2.000