IP Thermal Imaging Camera
Series EC-840S-TIC

STAHL

• High resolution IP thermal camera with radiometry
• Separate detection of flame formation and temperature
• Range up to 1.2 km
• ATEX, IECEx, NEC®, CE Code, Lloyd's

MY R. STAHL **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® and CE Code 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 CE Code Appendix J	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•		•		

CE Code Section 18 NEC® 505	Class I			NEC® 506		
Zone	0	1	2	20	21	22
Installation in		•	•		•	•
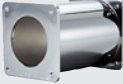
Selection Table

Resolution	< 30 mK to f/1.0
Network protocol	ONVIF profiles 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	Human (Recognise/Find/Identify)	Total pixels	Certifications	Art. No.	Weight
EC-840S-TIC-35I-DR2-456-B	18° H, 14° V	1140 m / 280 m / 142 m	640 (H) x 512 (V)	ATEX, IECEx	278869	8.5 kg
EC-840S-TIC-35I-DR2-F55-B	18° H, 14° V	1140 m / 280 m / 142 m	640 (H) x 512 (V)	ATEX, IECEx, NEC®, CE Code	279759	8.5 kg
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	279862	8.5 kg
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, NEC®, CE Code	279863	8.5 kg
EC-840S-TIC-19I-UR2-456-B	32° H, 26° V	570 m / 144 m / 72 m	640 (H) x 512 (V)	ATEX, IECEx	279866	8.5 kg
EC-840S-TIC-19I-UR2-F55-B	32° H, 26° V	570 m / 144 m / 72 m	640 (H) x 512 (V)	ATEX, IECEx, NEC®, CE Code	279867	8.5 kg
EC-840S-TIC-19I-ZR2-456-B	17° H, 13° V	640 m / 180 m / 80 m	336 (H) x 256 (V)	ATEX, IECEx	279868	8.5 kg
EC-840S-TIC-19I-ZR2-F55-B	17° H, 13° V	640 m / 180 m / 80 m	336 (H) x 256 (V)	ATEX, IECEx, NEC®, CE Code	279869	8.5 kg
EC-840S-TIC-09I-HR2-456-B	69° H, 56° V	250 m / 63 m / 31 m	640 (H) x 512 (V)	ATEX, IECEx	279760	8.5 kg

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CAMERA AND VIDEO SYSTEMS

IP Thermal Imaging Camera
Series EC-840S-TIC

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Selection Table

Resolution	< 30 mK to f/1.0
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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	Human (Recognise/Find/Identify)	Total pixels	Certifications	Art. No.	Weight
EC-840S-TIC-09I-HR2-F55-B	69° H, 56° V	250 m / 63 m / 31 m	640 (H) x 512 (V)	ATEX, IECEx, NEC®, CE Code	279861	8.5 kg
EC-840S-TIC-09I-QR2-456-B	35° H, 27° V	285 m / 71 m / 36 m	336 (H) x 256 (V)	ATEX, IECEx	279864	8.5 kg
EC-840S-TIC-09I-QR2-F55-B	35° H, 27° V	285 m / 71 m / 36 m	336 (H) x 256 (V)	ATEX, IECEx, NEC®, CE Code	279865	8.5 kg

Accessories

Figure	Description	Art. No.	Weight
Camera multi-cable armoured			
	VB-CAM-MULTI-Ethernet-ARM 1 x Ethernet cable 3 x power supplies 2.5 mm² 7 x data cable 0.34 mm² -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 and weight per m	252571	472 g
Ex e Terminal box			
	JCT-8146-Ethernet+Analog 5xcable glands Terminal box, polyester resin Version for ethernet Tx or analog cameras Dimensions without cable glands (HxWxD): 340.5 mm x 340.5 mm x 91 mm Ingress protection: IP66 equipped with: 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-94x-PTZ, Water tank	265668	800 g
Wall bracket			
	WB-EC-840S/EC-940S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 40 kg Length: 420 mm	251387	2 kg
Pole adapter module			
	PMA-EC-840S /EC-940S 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	3.3 kg
Corner adapter module			
	CMA-EC-840S /EC-940S 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 kg

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Figure	Description	Art. No.	Weight
Parapet mounting bracket			
	PM-EC-840S /EC-940S 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	900 g
Ball joint			
	MPT-Head-EC-840S/EC-940S 316L stainless steel, electropolished Capacity: max. 40 kg Diameter: 101.6 mm	251388	2 kg

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