

# Analogue Thermal Imaging Camera for Zone 1 / Div. 2

Series EC-840S-TIC

STAHL



- High-resolution analogue thermal imaging camera
- Certified for hazardous Zone 1, 2, 21, 22 acc. to ATEX, IECEx, NEC, CEC, EAC
- Day / night - functionality
- 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 EC840STICAA




R. STAHL's EC-840S-TIC-19A analogue thermal imaging camera is one of the most modern explosion-protected cameras currently on the market. Its integrated thermography function ensures clear and safe recognition of changes in temperature by colour coding specific temperature zones - according to your settings, precisely tailored to the process under surveillance. The analogue camera functions are controlled via RS-485 with Pelco D or Panasonic protocol. All models are available with 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 CE Code Appendix J					
Division	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in		•		•		

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

Selection Table						
Interfaces	RS-485 half duplex					
Resolution	< 50 mK to f/1.0					
Serial Communication Protocol	Panasonic, Pelco D, Macro					
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	Total pixels	Human (Recognise/Find/Identify)	Certifications	Art. No.	Weight
EC-840S-TIC-19A-642-456	32° fixed	640 (H) x 512 (V)	570 m / 144 m / 72 m	ATEX, IECEx	251329	8 kg
EC-840S-TIC-19A-642-F55	32° fixed	640 (H) x 512 (V)	570 m / 144 m / 72 m	ATEX, IECEx, NEC, CEC	252710	8 kg
EC-840S-TIC-19A-332-456	17° fixed	336 (H) x 256 (V)	640 m / 180 m / 80 m	ATEX, IECEx	251327	8 kg
EC-840S-TIC-19A-332-F55	17° fixed	336 (H) x 256 (V)	640 m / 180 m / 80 m	ATEX, IECEx, NEC, CEC	252709	8 kg

Accessories						
Figure	Description	Art. No.	Weight			
Ball joint						
	<b>MPT-Head-EC-840S/EC-940S</b> 316L stainless steel, electropolished Capacity: max. 40 kg Diameter: 101.6 mm	251388	2 kg			

Accessories			
Figure	Description	Art. No.	Weight
<b>Camera multi-cable armoured</b>			
	<b>VB-CAM-MULTI-Analog-ARM</b> 1 x coaxial cable 3 x power supply 2.5 mm <sup>2</sup> 7 x data cable 0.34 mm <sup>2</sup> -60 °C ... +80 °C 16.5 ±0.3 mm outer diameter IEC 60332-1 flame-resistant IEC 60754-2 halogen-free DIN 60811-404 oil-resistant NEK 606 mud-resistant	252572	550 g
<b>Corner adapter module</b>			
	<b>CMA-EC-840S / EC-940S</b> 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
<b>Ex e Terminal box</b>			
	<b>JCT-8146-Ethernet+Analog 5xcable glands</b> 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
<b>Parapet mounting bracket</b>			
	<b>PM-EC-840S / EC-940S</b> 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
<b>Pole adapter module</b>			
	<b>PMA-EC-840S / EC-940S</b> 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
<b>Wall bracket</b>			
	<b>WB-EC-840S/EC-940S</b> Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 40 kg Length: 420 mm	251387	2 kg