

Analog Thermal Imaging Camera Zone 1 / Class I, Div. 2

Series EC-840S-TIC

STAHL



- High-resolution analog thermal imaging camera
- Certified for hazardous Zone 1, 2, 21, 22 and Cl. I, II, Div. 2 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 conduit entry and 4 m [13.1 ft] pig tail cable set

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WebCode **EC840STICAA**



R. STAHL's EC-840S-TIC-19A analog 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 color coding specific temperature zones - according to your settings, precisely tailored to the process under surveillance. The analog 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 Zone 1, 2, 21, 22 and Cl. I, II, Div. 2 and are therefore suitable for installation in many regions.

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

	CEC Section 18					
	NEC® 505 Class I			NEC® 506		
Zone	0	1	2	20	21	22
Ex interface						
Installation in		•	•		•	•

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

Selection Table						
Interfaces	RS-485 half duplex					
Resolution	< 50 mK to f/1.0					
Serial Communication Protocol	Panasonic, Pelco D, Macro					
Frame rate (fps)	8.3 PAL, 7.5 NTSC					
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	Person (detect/recog/ident)	Certifications	Art. No.	Weight lb
EC-840S-TIC-19A-642-F55	32° fixed	640 (H) x 512 (V)	570 m / 144 m / 72 m	ATEX, IECEx, NEC, CEC, EAC	252710	17.64
EC-840S-TIC-19A-332-F55	17° fixed	336 (H) x 256 (V)	640 m / 180 m / 80 m	ATEX, IECEx, NEC, CEC, EAC	252709	17.64

Accessories			
Figure	Description	Art. No.	Weight lb
	Ball joint x40S 316L stainless steel, electropolished Capacity: max. 40 kg [88.18 lb] Diameter: 101.6 mm [4 inches]	251388	4.41

Accessories			
Figure	Description	Art. No.	Weight lb
Camera multi-cable armored			
	VB-CAM-MULTI-Analog-ARM 1 x coaxial cable 3 x power supply 2.5 mm ² / AWG14 7 x data cable 0.34 mm ² / AWG22 -60 °C ... +80 °C [-76 °F ... +176 °F] 16.5 ±0.3 mm [0.65 ±0.01 inches] outer diameter IEC 60332-1 flame-resistant IEC 60754-2 halogen-free DIN 60811-404 oil-resistant NEK 606 mud-resistant Suitable for EC-940-PTZ-Axx, EC-940S-AFZ-3xA, EC-840S-TIC-19A	252572	1.21
Corner adapter module			
	Corner adapter module EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 50 kg [110.23 lb] Only together with wall bracket EC-x40S type 251387	251381	4.41
Parapet mounting bracket			
	Parapet mounting bracket EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 70 kg [154.32 lb] Height: 124 mm [4.88 inches] Only together with ball joint adapter EC-x40S type 251388	251386	1.98
Pole adapter module			
	Pole adapter module EC-x40S Suitable for EC-x40S For pole diameter 110 ... 150 mm [4.33 ... 5.9 inches] Material: 316L stainless steel, electropolished Capacity: max. 50 kg [110.23 lb] Weight: 3.3 kg [7.28 lb] Only together with wall bracket EC-x40S type 251387	251380	7.28
Wall bracket			
	Wall Bracket EC-x40S Suitable for EC-x40S series Material: 316L stainless steel, electropolished Capacity: max. 40 kg [88.18 lb] Length: 420 mm [16.54 inches]	251387	4.41
Ex e Terminal box			
	JCT-Terminal-Box Customized junction box Available upon request	-	1.76