

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

Series EC-840S-TIC



- High-resolution IP thermal imaging camera with advanced radiometry
- 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

13 b

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. 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. This range of versions includes a suitable model for every surveillance system: The IP cameras support the ONVIF protocol (profile S) 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 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						
Resolution	< 50 mK to f/1.0					
Network protocol	ONVIF profile S					
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 (detect/recog/ident)	Total pixels	Certifications	Art. No.	Weight lb
EC-840S-TIC-191-642-F55	32° fixed	570 m / 144 m / 72 m	640 (H) x 512 (V)	ATEX, IECEx, NEC, CEC, EAC	252762	17.64
EC-840S-TIC-191-332-F55	17° fixed	640 m / 180 m / 80 m	336 (H) x 256 (V)	ATEX, IECEx, NEC, CEC, EAC	252761	17.64

Accessories			
Figure	Description	Art. No.	Weight lb
Camera multi-cable armored			
	VB-CAM-MULTI-Ethernet-ARM 1 x Ethernet cable 3 x power supplies 2.5 mm ² / AWG14 7 x data cable 0.34 mm ² / AWG22 -60 °C ... +80 °C [-76 °F ... +176 °F] 19.2 ±0.5 mm [0.76 ±0.02 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-910-AFZ, EC-940-PTZ-HDI and -HFI, EC-940-AFZ-HDI-O4H and -O5H, EC-940S-AFZ-Hxx, EC-840S-TIC-19I Price per meter	252571	1.04
Ex e Terminal box			
	JCT-Terminal-Box Customized junction box Available upon request	-	1.76
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
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
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
Ball joint			
	Ball joint x40S 316L stainless steel, electropolished Capacity: max. 40 kg [88.18 lb] Diameter: 101.6 mm [4 inches]	251388	4.41