

## Digital CCD Camera

FAC 848 I-IR  
FAC 848 WP-IR

FA 847 I-IR  
FA 847 WP-IR

- 1/2" EXview HAD CCD™ 1) sensor
- Reproduction of detail even in extreme darkness
- Very high sensitivity at 850 ... 1000 nm for discreet infrared surveillance
- 440,000 effective pixels
- For universal day/night application (color/monochrome/infrared)
- Extreme light sensitivity
- Picture evaluation for contrast adaptation
- even higher light sensitivity by b/w versions



Indoor FAC 848 I-IR (Color)  
FA 847 I-IR (black/white)

## Description

This range of Funkwerk plettac cameras produces pictures even in extreme darkness. Their sophisticated infra-red sensors are over 30 percent more light-sensitive than those of other high-tech cameras. This means that they can produce superb picture quality from light emissions with a wavelength of  $\approx 850$  nm, making them ideal for discreet surveillance - a capability which also offers great advantages for observation and any other applications where lighting needs to be kept to a minimum, or where extra lighting is not appropriate, for example in prisons, for local government schemes or on industrial sites in densely populated residential areas.

Thanks to its range of standard features, this infrared camera system always offers maximum user comfort whatever the lighting conditions. The remote configuration feature enables camera settings to be changed directly from the control room, and optional software upgrades provide a quick and easy way to extend and tailor its capabilities.

And by the way, these infrared cameras are absolutely identical to Funkwerk plettac conventional programmable CCD cameras in this range.



Outdoor FAC 848 WP-IR (Color)  
FA 847 WP-IR (black/white)

<sup>1)</sup> Trademark of Sony Corporation

investment safety  
products and solutions made in germany

Technical data	FAC 848 I-IR color indoor FAC 848 WP-IR color outdoor	FA 847 I-IR b/w indoor FA 847 WP-IR b/w outdoor
Sensor	1/2" EXview, HAD CCD™	
Total pixels	470.000 = 795 (H) x 596 (V)	
Effective pixels	440.000 = 752 (H) x 582 (V)	
Line standard	625 lines, 50 Hz	
Scanning standard	CCIR interlaced	
Horizontal resolution	480 lines	580 lines
Light sensitivity (lux)	at	with LSS* without LSS* with LSS* without LSS*
F 0,95/6500 K LSS*: with 4-field integration	100 % level	0,08 0,3 - 0,15
	50 % level	0,04 0,15 0,03 0,08
	25 % level	0,02 0,08 0,01 0,04
Sensitivity increase through LSS	2 ... 250 fields (automatic), 2 ... 500 fields (manual)	
Spectral range	400 nm ... 650 nm (visible range) and 850 nm ... 1000 nm (Infrared range)	
Shutter	1/1.000.000 - 10 s	
Max. scene illumination	100.000 lux at shutter operation	
<b>Electrical data</b>		
Video output	(C)VBS, Koax, 2-wire	1 Vss/75 Ω
	sym. + (C)VBS	1 Vss/75 Ω
	sym. - (C)VBS	1 Vss/75 Ω
	Y/C (only FAC 848)	1 Vss/75 Ω
Operating voltage	11 ... 32 V DC, 24 V AC ± 10 %	
Power consumption	I	7 W
	WP	13 W with heater
<b>Mechanical data</b>		
Video output	I=SMB, D-Sub, system connector	
	WP=system connector	
Remote interface	system connector	
Lens mount	C/CS Mount	
Degree of protection	WP=IP 66	I=IP32
Storage temperature	-40 °C ... +70 °C	
Operating temperature	-25 °C ... +55 °C	
Weight (kg)	I	0,6
	WP	2,4
Weight incl. packaging (kg)	I	1,1
	WP	3,5
Dimensions (mm)	I	185,5 x 71,5 x 60 (L x W x H) (without lens with plug)
	WP	300 x 126 x 83 (L x W x H) (incl. AGW)
Dimensions of packaging (mm)	I	308 x 158 x 116 (L x W x H)
	WP	426 x 329 x 228 (L x W x H)
<b>Order number</b>		
9.43038-1307	FAC 848 I-IR	Indoor color camera
9.43038-1407	FAC 848 WP-IR	Outdoor color camera
9.43038-1803	FA 847 I-IR	Indoor b/w camera
9.43038-1805	FA 847 WP-IR	Outdoor b/w camera