



FAC 960

digital CCD-camera

Highlights:

- horizontal resolution ≥ 650 TVL
- 1/3" Super-HAD CCD II
- wide dynamic range with enhanced colour transitions
- privacy masking (12 editable masks)
- 256-fold digital zoom
- suitable for architectonic integration thanks to flexible and modular housing concept
- live picture indicator, compliant with the German Railway Authorities
- digital 2D/3D noise filter
- H and V flip
- static pixel error correction
- remote configuration and control via PC or control unit

≥ 650 TVL

Low-speed shutter

-35°C up to +55°C

Design housing

Day / Night

1/3" CCD

WDR

QUALIFIED FOR

high-end solutions

Security made in Germany
development & production



Technical data	FAC 960	FAC 960 S / HS	FAC 960 IR	FAC 960 IR-T
Video specifications				
Sensor:	1/3" Super HAD CCD II			
Total pixels:	612000 = 1028 (H) x 596 (V)			
Effective pixels:	568000 = 976 (H) x 582 (V)			
Line standard:	625 lines, 50 Hz			
Scanning standard:	CCIR-PAL			
Horizontal resolution:	≥ 650 lines (6 MHz)			
Spectral range:	400 nm ...650 nm		incl. 850 nm	incl. 850 nm - 1000 nm
Light sensitivity at				
100% level	0,1		0,08	
50% level	0,05		0,04	
25% level	0,03		0,02	
Max. scene illumination:	100,000 lux in shutter operation			
Electrical data				
Video output:	CVBS 1Vpp/75 Ω, Y/C, 2-wire			
Operating voltage				
in W930 housing:	10 VDC ... 32 VDC			
in WN930 housing:	230 VAC +10%/-15%			
Power consumption:	5 W			
in W930/CW930 housing with screen heater:	additional 10 W/5 W			
General data				
Video output/ Remote control interface:	BNC, 15-pin D-Sub connector CW-, W- and WN930 with system connector			
Lens mount:	CS Mount, C Mount with spacer ring			
Degree of protection:	IP 32	CW-/W-/WN930=IP 66		
Storage temperature:	-40 °C ... +70 °C			
Operating temperature:	-25 °C ... +55 °C	W/WN = -35°C... +55°C		
Weight:	0,25 kg			
Colour of indoor design housing:	RAL 9006			
Colour of waterproof housing:	RAL 7032			
Dimensions (D x L, mm):	70 x 61,5 (without accessories)			
Weight incl. packaging:	0,5 kg			
Dimensions of packaging (LxBxH,mm):	175 x 130 x 100			
Bulk packaging containing 8 FAC960:				
Weight incl. packaging:	2,5 kg			
Dimensions of packaging (LxBxH,mm):	345 x 255 x 110			
Scope of supply:	CD-ROM with configuration software and documentation, C/CS mount adapter ring, lens connector, operating instructions (German, English), 2 x M3 fixing screws for modifying old system connectors on SN830I			
Order numbers				
943044140100	FAC 960	Indoor color camera		
943044140200	FAC 960 IR	Indoor color camera with extension		
943044140300	FAC 960 S	Indoor color camera security		
943044140400	FAC 960 HS	Indoor color camera high security		
943044140500	FAC 960 IR-T	Indoor color camera with extended IR range		
943041120100	MID 930	Indoor housing for FAC 960		
943041120500	MIW 930	Indoor housing with wall bracket for FAC 960		
943041130100	W 930	Waterproof system housing for FAC 960		
943041130200	WN 930	Waterproof system housing with built-in power supply unit for FAC 960		
943041140100	CW 930	Waterproof system housing for FAC 960		
943041130900	W 930 NUC	Camera housing for radioactive areas		
943041120200	TUB 930	Lens tube for MID 930		
943041140300	SD 930 CW	Sun shield for CW 930 housing		
943041130300	SD 930 W	Sun shield for W 930 and WN 930 housings		
943041130500	RS 930 W	Kit for installing FAC 960 in existing W, W2, WN, WN2 housings		
943041140500	RS 930 CW	Kit for installing FAC 960 in existing CW housing		
943041190200	RS930-82W	Kit for installing FAC 960 in FA82, FA85, FA810W housings		
943041190300	RS 930 -82CW	Kit for installing FAC 960 in FA82 housing		
764305017800	SN 858 I	Power supply for indoor applications		