

	IP CAMERA IPC21241.B.SF28KM.G. BLACK - 3.7 Mpx 2.8 mm UNIVIEW	OPTICAL FIBER FUSION SPLICER AL9 Signal Fire	UNIVERSAL MIDDLE CLAMP PV/KSU/50/B FOR SOLAR PANELS	EXTENDER VGA + USB CE-100	ALLEN SCREW SL M8x40/KL-8.8	FLUSH BOX PK-60/K GSG/EPN Elektro-Plast	ELECTRICAL INSTALLATION BOX INTO THERMAL INSULATION KUZ-VOL-KB KOPOS	4-CHANNEL REMOTE CONTROL UREMOTE BASIC/BLEBOX Wi-Fi
								
Size	1756.11 SEK 1756.11 SEK	8545.14 SEK 8545.14 SEK	10.64 SEK 10.64 SEK	1718.08 SEK 1718.08 SEK	2.72 SEK 2.72 SEK	12.42 SEK 12.42 SEK	478.83 SEK 478.83 SEK	336.53 SEK 336.53 SEK
Standard	TCP/IP				M8			
Sensor	1/3" Progressive Scan CMOS							
Height			21.5 mm					
Strength class					8.8			
Number of sections						1	1, 2	
Matrix size	4 Mpx							
Hole diameter			9 mm					
mounting screw								
Wrench size					6 mm			
Voltage insulation							~ 400 V	
Fiber optic type		<ul style="list-style-type: none"> • Multi-Mode (MM) - G.651. • Single-Mode (SM) - G.652 & G.657. • Single-Mode (DS / NZDS) Non-Zero Dispersion Shifted Fiber (G.655) 						
Thread/pin length					30 / 40 mm			
Wireless								Wi-Fi, 2.4 GHz - IEEE 802.11g
Cladding diameter		80 ... 150 µm						
Operation range								≤ 100 m (in open area) ≤ 40 m (internal)
Outer coating diameter:		0.1 ... 1 mm						
Lens	2.8 mm							
Fiber cleaved length		16 mm						
Montage hole diameter						Ø 68 mm		
Orientation technology		core alignment, cladding alignment, manual						
View angle	<ul style="list-style-type: none"> • 97° (manufacturer data) • 90° (our tests result) 							
Range of IR illumination	30 m							
S/N ratio	> 56 dB							
Display		5.1" LCD, 800 x 480 px Image: display X and Y axis simultaneously						
RS-485 interface								
Material			Aluminum		Steel galvanized	halogen free and inflammable	Non-halogen plastic	
Memory card slot	Micro SD memory cards up to 128GB support (possible local recording)							
Average fusion loss		0.01 dB (MM) 0.025 dB (SM) 0.04 dB DS / NZDS						
Average fusion time		5 s						
Thickness of the insulating layer							120 ... 330 mm	
Image compression method	Ultra 265 / H.265 / H.264 / MJPEG							
Average heat time		15 s						
Alarm inputs / outputs								
Mounting holes distance							60 mm, 71 mm	
Audio								
Fusion programs		(factory applications) + (user applications)						
Internal light		✓						
Main stream frame rate	25 fps @ 3.7 Mpx							
Internal heater		✓						
Device type				Active / Transmitter				
Network interface	10/100 Base-T (RJ-45)			Active / Receiver				
Number of channels				1 x VGA 2 x USB 1 x VGA 2 x USB				
Video transmission range				max. 100 m max. 100 m				
Set fusions parameters		<ul style="list-style-type: none"> • Surface angle test • fiber forward • prefuse power • prefuse time • arc power • arc time, etc 						
Fusion storage		✓						
Mechanical strength test		2 N						
Computer interface		USB 2.0 - Possibility to charge smartphones						
Connectors type				1 x VGA Socket HDB-15 2 x USB-A Socket 1 x VGA Plug HDB-15 1 x USB-B Socket				
Symmetrical socket type				RJ-45 (8-pin, 4 pairs) Socket RJ-45 (8-pin, 4 pairs) Socket				

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Main features			Ground pins					<ul style="list-style-type: none"> • Real-time DDC communication support • Built-in ESD protection 8 / 15 kV • Manual compensation adjustment • Possibility to mount to the wall 	DIN 912 compliance			<ul style="list-style-type: none"> • Flush-mounted, deep, for hollow walls • 850 °C flammability index • 2 special screws with holders to fastening to the wall - included 	<ul style="list-style-type: none"> • for insulating systems • temperature range : -25 °C ... 60 °C • flammability index : 850 °C • adjustable depth of the box • Guides for attaching the TS35 rail • Expansion plugs, Mounting screws, opening lid, rubber gasket - included 	<ul style="list-style-type: none"> • Number of buttons : 4 • 4 independent channels, • 4 groups, • Number of supported devices : 3 / Channel, • Controlling BleBox devices • Order confirmation • LED indication • Bidirectional communication • Transmission encryption • µWiFi technology support • Control possible without Wi-Fi network available
Network protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTPC, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL / TLS, SNMP													
WEB Server	Built-in													
Max. number of on-line users	32													
ONVIF	✓													
Mobile phones support	Access by a cloud (P2P) • Android: Free application EZView • iOS (iPhone): Free application EZView													<ul style="list-style-type: none"> • The wBox free application on Android • The wBox free application on iOS
Default IP address	DHCP or 192.168.1.13													
Default admin user / password	admin / 123456													
Resolution	2560 x 1440 - 3.7 Mpx, 2304 x 1296 - 3 Mpx, 1920 x 1080 - 1080p							<ul style="list-style-type: none"> • 1920 x 1080 / 60 Hz @ 30 m • 1920 x 1200 / 60 Hz @ 30 m • 1280 x 1024 / 60 Hz @ 100 m 						
Web browser access ports	80, 554													
PC client access ports	Port no.: 80 or access by a cloud (P2P) - PC: Free application EZStation													
Mobile client access ports	80													
Port ONVIF	80													
Battery power supply		11 V DC Li-Ion battery, 7800 mAh												
Electrodes lifetime		3000 fusions												
RTSP URL	rtsp://192.168.1.13:554/unicast/c1/s0/live - Main stream rtsp://192.168.1.13:554/unicast/c1/s1/live - Sub stream													
Operation temp		-15 °C ... 50 °C												-20 ... 50 °C
Permissible relative humidity		< 95 % (non-condensing)												
Main features	<ul style="list-style-type: none"> • D-WDR - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ROI - improve the quality of selected parts of image • ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its • NAS - Network Attached Storage support • BLC/HLC - Back Light / High Light Compensation • Possibility to change the resolution, quality and bit rate • Mirror - Mirror image • Privacy zones - max. 4 • Motion Detection - max. 4 zones • Sharpness - sharper image outlines • Intelligent image analysis - crossing the line (tripwire), intrusion 	<ul style="list-style-type: none"> • Built-in optical power meter : - Optical wavelength : 850 nm, 1300 nm, 1310 nm, 1490 nm, 1550 nm, 1625 nm - Wide measuring range : -70 dBm ... +6 dBm - Accuracy : < 0.3 dB • VLS (VFL) - Visual Fault Locator of fiber cable : - Optical wavelength : 650 nm - Optical output power : 15 mW - Operation modes : continuous, pulsed - 2 Hz 												
Power supply	- PoE (802.3af), - 12 V DC / 460 mA	13.5 V DC / 4.8 A (power adapter included)					5 V / 1000 mA 5 V USB							<ul style="list-style-type: none"> - built-in battery - lithium-polymer - 5 V micro USB (battery charging) - Estimated battery operation time : 2 years
Power consumption	≤ 5.5 W													
Housing	Compact, Metal + Plastic													Plastic (ABS)
Color	Black		Black					Yellow		Light gray				Black
"Index of Protection"	IP67							—		IP30 / IP44				
Vandal-proof	—													
Operation temp	-30 °C ... 60 °C													
Weight	0.55 kg	2.16 kg	0.026 kg	0.170 kg 0.170 kg			0.019 kg	0.026 kg		0.735 kg			0.028 kg	
Dimensions	165 x 63 x 63 mm	202 x 145 x 128 mm	50 x 36 x 24.5 mm	91 x 56 x 25 mm 91 x 56 x 25 mm			Ø 12.8 x 47.9 mm	Ø 60 x 61 mm - Internal dimensions Ø 71 x 62 mm - External dimensions		196 x 156 x 86 ... 146 mm (box) 210 x 170 x 12 mm (cover) 120 x 120 x 200 mm (carrier)			72 x 39 x 12 mm	
Supported languages	Polish, English, Czech, Spanish, French, German, Portuguese, Slovak, Hungarian, Italian													
Manufacturer / Brand	UNVIEW	Signal Fire						Elektro-Plast		KOPOS			BleBox	
Guarantee	3 years	3 years	2 years	2 years			2 years	2 years		2 years			2 years	



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