

	IP CAMERA DS-2CD2927G2-LIU2-8MM(Hi) ColorVu - 1080p Hikvision	IP CAMERA DS-2CD2727G2-L1Z-8MM(Hi) ColorVu - 1080p Hikvision	ROUTER VPN TL-ER605-TR- LINK	SD/MICRO SD MEMORY CARD READER Y-9341 UNITEK	2 PCS SET ACCESS POINT -ROUTER MAX18-3 Wi-Fi 6, 2.4 GHz - 5 GHz BAHUA	REAR MOUNTING BASE USPUDMK1 FOR SOLAR PANELS	INTERFACE OF INPUTS RSN-01 Wi-Fi, SUIPLA ZAMEL	ACCESS POINT + ROUTER MAX18 Wi-Fi 6, 2.4 GHz, 5 GHz 574 Mbps + 1200 Mbps DMZUA
	422.03 CAD 422.03 CAD	521.58 CAD 521.58 CAD	96.77 CAD 96.77 CAD	20.19 CAD 20.19 CAD	281.23 CAD 281.23 CAD	10.88 CAD 10.88 CAD	62.20 CAD 62.20 CAD	102.40 CAD 102.40 CAD
Standard	TCP/IP	TCP/IP						
Support							SUPLA	
Material						Aluminum		
Application							controlling devices, triggering actions	
External connector				USB 3.1 - A plug				
Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS						
In package					3 pcs			
Rated voltage							230 V AC	
Matrix size	2.1 Mpx	2.1 Mpx						
Maximal total load								
Frequency range					2.4 GHz, 5 GHz			2.4 GHz, 5 GHz
Total maximal current								
Number of inputs							4	
Supported operating systems				Windows XP/Vista/7/8/8.1/10 (32/64bit), Linux, Mac OS 10.12 or newer				
Number of outputs							0	
Transmission speed				≤ 5 Gbit/s				
Resolution	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 1280 x 720 - 720p						
Connector type							Connection cube, screw terminals	
Antenna type					2.4 GHz : 2 x pcs Omnidirectional antenna - built-in 5 GHz : 2 x Omnidirectional antenna - built-in			2.4 GHz : 2 x pcs Omnidirectional antenna - built-in 5 GHz : 2 x Omnidirectional antenna - built-in
Supported memory cards				SD (Secure Digital), microSD - SDHC, SDXC				
Wireless							Wi-Fi, 2.4 GHz - IEEE 802.11 b/g/n	
Radio communication range							The range limited only by the availability of the Wi-Fi network	
View angle	107°	• 107° (manufacturer data) • 101° (our tests result)						
WAN interface			• 2 x LAN/WAN 10/100/1000 Mbps (RJ-45) • 1 x WAN x 10/100/1000 Mbps (RJ-45) • 1 x USB WAN - 3G/4G					
Standards			IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q		LAN : IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, Wi-Fi : IEEE 802.11 b/g/n/ac/ax			LAN : IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, Wi-Fi : IEEE 802.11 b/g/n/ac/ax
Image compression method	H.265+ / H.265 / H.264+ / H.264 / MJPEG	H.265+ / H.265 / H.264+ / H.264 / MJPEG						
Baud rates						574 Mbps + 1201 Mbps		574 Mbps + 1201 Mbps
White light LED illuminator range	40 m	60 m		Power, System, WAN, LAN, USB				
LED indicators								
Alarm inputs / outputs								
Audio	• Microphone built-in • Audio transmission via network • Compliance with the AAC standard • Noise suppression and echo cancellation							
LAN ports			• 2 x LAN 10/100/1000 Mbps (RJ-45) • 2 x LAN/WAN 10/100/1000 Mbps (RJ-45)		3 x 10/100/1000 Mbps			3 x 10/100/1000 Mbps
Memory card slot	Micro SD memory cards up to 512GB support (possible local recording)	Micro SD memory cards up to 512GB support (possible local recording)						
DDNS			• DynDNS • No-IP • Pseauthall • Comex					
Main stream frame rate	25 fps @ 1080p	25 fps @ 1080p						
DHCP server								
Port USB			USB 2.0					
Network interface	10/100 Base-T (RJ-45)	10/100 Base-T (RJ-45)						
Firmware update								
Protections			• SPI network firewall • VPN Passthrough • FTP/H.323/PPPoE/SIP/Psic ALG • Support DoS defence • Support Ping of Death Defence • URL addresses filtering • Support ARP defence • IP-MAC Binding • TCP/UDP/ICMP Flood network attacks protection • TCP (Slowth FIN/Xmas/Null) scan blocking • Ping packets blocking from WAN • Access control		WPA2			WPA2
Management interface			• Omada Central Management System • Software Omada Controller • Omada Hardware Controller • Remote management • Web browser					
Network protocols		TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, ICMP, IEEE 802.1x, QoS, IPv4/IPv6, UDP, Bonjour, SSL / TLS, PPPoE, SNMP, WebSocket, WebSockets						
WEB Server	Built in	Built in						
Max. number of on-line users	6	6						
ONVIF								
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • iOS: Free application Hik-Connect	Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • iOS: Free application Hik-Connect						• The SUIPLA free application on Android • The SUIPLA free application on iOS
Default admin user / password	admin / - The administrator password should be set at the first start	admin / -						
Default IP address	192.168.1.64	192.168.1.64						



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Web browser access ports	80	80										
PC client access ports	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application										
Main features			<ul style="list-style-type: none"> • VPN networks: IPsec VPN, L2TP VPN, PPTP VPN, Open VPN, VPN Pass-through • Static / dynamic routing • WAN: PPPoE, PPTP, L2TP • MAC address cloning • DHCP client/server support • IPv6 compliance • IEEE 802.1Q VLAN • Access Control List - ACL • Package filtering based on source and destination IP addresses • Rate limit • Load balance • NAT • DMZ • IEEE 802.1x and Radius Authentication • SNMPv1/v2/v3(MIB-2) • Reboot schedule • View topology and network status • RESET button 	<ul style="list-style-type: none"> • 1 x SD socket • 1 x microSD socket • Reading 2 memory cards simultaneously • Plug & Play 	<ul style="list-style-type: none"> • Support for Mesh technology, • Wi-Fi 6 support - a standard that offers higher speeds, better performance in high-traffic environments • Port Security - ContactAir (ESD/EMP) $\pm 8 \text{ kV} / \pm 6 \text{ kV}$ • Easy and uniform management system for many devices - Wilynk application • Intuitive installation and configuration of many advanced functions 	<ul style="list-style-type: none"> • Local control by physical button, • schedule, • timer, • remote access, • voice control, • Possibility to manually program scenarios from the built-in API 	<ul style="list-style-type: none"> • Wi-Fi 6 support - a standard that offers higher speeds, better performance in high-traffic environments • Port Security - ContactAir (ESD/EMP) $\pm 8 \text{ kV} / \pm 6 \text{ kV}$ • Easy and uniform management system for many devices - Wilynk application • Intuitive installation and configuration of many advanced functions 					
Mobile client access ports	8000	8000										
Port ONVIF	80	80										
Operation temp			0 °C ... 40 °C		-10 °C ... 55 °C					-20 °C ... 50 °C		-10 °C ... 55 °C
RTSP URL	<ul style="list-style-type: none"> • Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101 • Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102 	<ul style="list-style-type: none"> • Main stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101 • Sub stream : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102 										
IS-485 interface												
Permissible relative humidity			10 % ... 90 % (non-condensing)		5 % ... 95 %							5 % ... 95 %
Vandal-proof												
Main features	<ul style="list-style-type: none"> • Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • ROI - improve the quality of selected parts of image • Anti-Flicker - The technology eliminates the tiring eyes flickering image effect • SVC (Scalable Video Coding) - technology enabling the transfer of several sub-streams of different quality within one stream • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Auto White Balance • AGC - Automatic Gain Control • Possibility to change the resolution, quality and bit rate • Mirror - Mirror image • Configurable Privacy Zones • Sharpness - sharper image outlines • Smart motion detection (with recognizing people and vehicles) • Filtering of false alarms based on the recognition of persons and vehicles • Intelligent image analysis : crossing the line (tripwire), intrusion, scene changing, detection of entry into the area / exit from the area - classification of people and vehicles, face detection 	<ul style="list-style-type: none"> • The camera of the ColorVu series does not have a black and white mode • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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 - allows to connect memory resources directly to the computer network • Anti-Flicker - The technology eliminates the tiring eyes flickering image effect • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Possibility to change the resolution, quality and bit rate • Sharpness - sharper image outlines • Configurable Privacy Zones • Smart motion detection (with recognizing people and vehicles) • Filtering of false alarms based on the recognition of persons and vehicles • Possibility to turn off the LED illuminator • Intelligent image analysis : intrusion, crossing the line (tripwire), detection of entry into the area / exit from the area, scene changing, face detection, advanced face capture features 										
Power supply	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 500 mA 	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 710 mA 	12 V DC / 1 A (power adapter included)	USB	12 V DC / 1.5 A (power adapter included)					12 V DC / 1.5 A (power adapter included)		
Power consumption	<ul style="list-style-type: none"> • $\leq 7.5 \text{ W}$ @ PoE • $\leq 6 \text{ W}$ @ 12 V DC 	<ul style="list-style-type: none"> • $\leq 9 \text{ W}$ @ PoE (802.3af) • $\leq 7.5 \text{ W}$ @ 12 V DC 	max. 7.94 W		$\leq 12 \text{ W}$					$\leq 12 \text{ W}$		
Housing	Compact, Metal	Compact, Aluminum								Plastic		
Color	White	White		White						Green		
"Index of Protection"	IP67	IP67								IP20		
Weight	0.69 kg	1.1 kg	0.374 kg	0.02 kg	0.23 kg	0.16 kg	0.023 kg	0.23 kg				
Dimensions	215 x 79 x 79 mm	$\emptyset 105 \times 290 \text{ mm}$	158 x 101 x 25 mm	• 38 x 35 x 11 mm • 12 cm (cable length)	95 x 95 x 73 mm	96 x 80 x 72 mm	47 x 47 x 20 mm	95 x 95 x 73 mm				
Operation temp	30 °C ... 60 °C	30 °C ... 60 °C										
Supported languages	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Ukrainian, Hungarian, Vietnamese, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Ukrainian, Hungarian, Italian										
Manufacturer / Brand	Hikvision	Hikvision	TP-LINK	UNITEK	DAHUA		ZAMEL	DAHUA				
SAP Code	311315560	311315724										
Guarantee	3 years	3 years	5 years	2 years	2 years	2 years	2 years	2 years		2 years		2 years

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