





	ACCESS CONTROLLER ASC2204C-H DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5432L-4KL-I3 32 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5216A-4KL-I3 16 CHANNELS DAHUA	POWER METER WITH LCD DISPLAY UT-230B-EU UNI-T
				
	3173.00 PLN 3173.00 PLN	8117.00 PLN 8117.00 PLN	3872.00 PLN 3872.00 PLN	112.14 PLN 112.14 PLN
Number of served transitions	4 (one-way)	...	...	...
Device type	...	...	...	Power meter with LCD display
Support	DAHUA	...	...	...
Number of supported readers	4 pcs	...	...	...
Power measurement	...	...	...	0.1 ... 3680 W
Battery backup support	max. 7 Ah	...	...	...
Standard	...	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	...
Input lines	20 pcs	...	...	...
AC voltage measurement	...	...	...	100 ... 260 V
Video inputs	...	32 pcs BNC	16 pcs BNC	...
Maximal current	...	...	...	16 A
Maximal load	...	...	...	3680 W
Output lines	12 pcs - Relay	...	...	...
Range of displayed power	...	...	...	0.0 ... 9999 W
Video outputs	...	<ul style="list-style-type: none"> • 2 pcs HDMI 4K • 1 pcs VGA • 1 pcs Video composite (BNC socket) There is a possibility to configure a SPOT function on one of the output	<ul style="list-style-type: none"> • 1 pcs HDMI 4K • 1 pcs VGA There is a possibility to configure a SPOT function on one of the output	...
Range of displayed voltage	...	...	...	0.0 ... 9999 V
Communication	<ul style="list-style-type: none"> • RS-485, • Ethernet, • Wiegand 34/26	...	...	...
Range of displayed cumulative electricity	...	...	...	0.000 ... 9999 kWh
Cumulative cost of electricity	...	...	...	0.00 ... \$ 9999
Audio inputs	...	<ul style="list-style-type: none"> • 4 pcs BNC, • 1 pcs BNC - Microphone • 32 Channels - Audio support via coaxial cable, HD-CVI only 	4 pcs CINCH , 16 Channels - Audio support via coaxial cable, HD-CVI only	...
Audio outputs	...	<ul style="list-style-type: none"> • 1 pcs BNC • 1 pcs BNC - Microphone 	1 pcs CINCH	...
Image compression method	...	AI Coding / H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264	...
Housing	Plastic

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Security class	IP20
Main features	<ul style="list-style-type: none"> • Support for 4 doors (20 inputs: 4x lock state, 4x door sensor, 4x exit button, 8x alarm line) • 200000 indexed users • History of 150000 events • Possibility to connecting in cascade • 128 General Purpose Schedules • Function to prevent of multiple use of the same code/card to gain access (anti-passback) • Door Left Open and Door Forced Open alarms • Tamper detection - opening the enclosure • Watchdog built-in • Remote programming from PC • Real time clock with battery backup • Metal housing • ONVIF compliance 	<ul style="list-style-type: none"> • Operation modes : Power consumption, Voltage, Cumulated amount of electricity, Cumulative cost of electricity, Cost of electricity (\$/kWh) • Large, readable LCD display • Simple configuration of the cost calculation setting
Socket type	...	...	...	F type (Schuko)
Operation temp	-30 °C ... 60 °C	...	...	...
Permissible relative humidity	max. 95 % (non-condensing)	...	...	...
Image records resolutions	...	<ul style="list-style-type: none"> • AHD / HD-CVI / HD-TVI : 8 Mpx - 3840 x 2160 , 8M-N - 1920 x 2160 , 6 Mpx - 2880 x 1920 - HD-CVI only , 5 Mpx - 2592 x 1944 , 4 Mpx - 2560 x 1440 , 4M-N - 1280 x 1440 , 3 Mpx - 2048 x 1536 - AHD / HD-TVI only , 1080p - 1920 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 • IP : max. 12 Mpx - 4000 x 3000 	<ul style="list-style-type: none"> • AHD / HD-CVI / HD-TVI : 8 Mpx - 3840 x 2160 , 4K-N - 1920 x 2160 , 6 Mpx - 2880 x 1920 - HD-CVI only , 5 Mpx - 2592 x 1944 , 4 Mpx - 2560 x 1440 , 4M-N - 1280 x 1440 , 3 Mpx - 2048 x 1536 - AHD / HD-TVI only , 1080p - 1920 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 • IP : max. 8 Mpx - 3840 x 2160 	...



Recording speed adjustment	...	12 Mpx IP @ 1 ... 25 fps 8 Mpx @ 1 ... 7 fps 4K-N @ 1 ... 15 fps 6 Mpx @ 1 ... 10 fps 5 Mpx @ 1 ... 12 fps 4 Mpx @ 1 ... 15 fps 4M-N @ 1 ... 25 fps 3 Mpx @ 1 ... 15 fps 1080p @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	8 Mpx IP @ 1 ... 25 fps 8 Mpx @ 1 ... 7 fps 4K-N @ 1 ... 15 fps 6 Mpx @ 1 ... 10 fps 5 Mpx @ 1 ... 12 fps 4 Mpx @ 1 ... 15 fps 4M-N @ 1 ... 25 fps 3 Mpx @ 1 ... 15 fps 1080p @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	...
Operation modes	...	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 16 x IP	...
Recording modes	...	Manual, Sensor, Motion detection, Schedule	Manual, Sensor, Motion detection, Schedule	...
Supported hard drives	...	4 x 16 TB SATA + 1 x eSATA	2 x 16 TB SATA	...
External storage devices backup	...	Save single frames and whole records from DVR drive to the USB drive	Save single frames and whole records from DVR drive to the USB drive	...
Searching and playback the records	...	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy) Intelligent face search AI - simultaneous search in the archive of face recordings based on max 8 photos taking into account the similarity threshold (for each photo separately) 1/4/9/16 channel synchronous playback	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy) All channels synchronous playback, Smart Search function 1/4/9/16 channel synchronous playback	...
Network functions	...	Full support via network, Remote records copying, Web-Server built-in max. 128 on-line users	Full support via network, Remote records copying, Web-Server built-in max. 128 on-line users	...
Mobile phones support	...	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS • iOS (iPhone): Free application DMSS See how to configure the P2P function in Dahua recorders and how to enable the mobile application	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS • iOS (iPhone): Free application DMSS See how to configure the P2P function in Dahua recorders and how to enable the mobile application	...
Alarm inputs / outputs	...	16 / 6	16 / 3	...

PTZ control	...	IP Speed Dome Cameras Control compatible with coax PTZ HD-CVI RS-485 - PELCO-D/P	IP Speed Dome Cameras Control compatible with coax PTZ HD-CVI RS-485 - PELCO-D/P	...
Motion Detection	...	Split the screen into zones	Split the screen into zones : 22 x 18 motion zones	...
Main features	...	<ul style="list-style-type: none"> • Cooperation with Dahua devices working in the concept of the Internet of Things (IoT), • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Coax Audio/Alarm support, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles • advanced face recognition and search functions • Filtering of false alarms based on the recognition of persons and vehicles • Support for up to 10 face databases, including 20 000 face images • Detection of faces not included in the device database • Searching for faces in recordings based on max 8 selected photos with the ability to independently set the similarity threshold for each photo • SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle • Port RS-232 	<ul style="list-style-type: none"> • Cooperation with Dahua devices working in the concept of the Internet of Things (IoT), • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle • Coax Audio/Alarm support, • Intelligent image analysis : crossing the line (tripwire), crossing the line (tripwire), abandoned/missing object, classification of people and vehicles, counting people / vehicles, • advanced face recognition and search functions • Filtering of false alarms based on the recognition of persons and vehicles (tripwire, intrusion) • Support for up to 10 face databases, including 20 000 face images • Detection of faces not included in the device database • Searching for faces in recordings based on max 8 selected photos with the ability to independently set the similarity threshold for each photo 	...
USB	...	<ul style="list-style-type: none"> • 2 pcs USB 3.0 • 1 pcs USB 2.0 	1 pcs USB 3.0 1 pcs USB 2.0	...
Mouse support	...	✓	✓	...
IR remote controller in the set	...	—	—	...
Power supply	80 ... 260 V AC	100 V ... 240 V AC @ 50 / 60 Hz	12 V DC / 5 A (power adapter included)	230 V AC, 50 Hz + 1 x CR2032
Color	...	Black	Black	...
Weight	2.77 kg	4.94 kg	1.8 kg	0.165 kg

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Dimensions	270 x 330 x 90 mm	440 x 420 x 76 mm, RACK 19", 2U	375 x 287 x 53 mm	130 x 65 x 80 mm
Supported languages	...	Polish, English, Czech, Danish, Finnish, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Hungarian, Italian	Polish, English, Czech, Danish, Finnish, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Hungarian, Italian	...
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	UNI-T
Guarantee	3 years	5 years	3 years	2 years



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