	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR APTI-XB1601-S33 16 CHANNELS	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR APTI-XB1612-I3 16 CHANNELS	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR APTI-XB1612-I4 16 CHANNELS	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-B-XVR1601(2.0) 16 CHANNELS BCS BASIC	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR1B16-I 16 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5116H-4KL-I3 16 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5116HS-I3 16 CHANNELS DAHUA
	120.18 EUR 120.18 EUR	136.97 EUR 136.97 EUR	186.57 EUR 186.57 EUR	124.00 EUR 124.00 EUR	254.91 EUR 254.91 EUR	741.59 EUR 741.59 EUR	446.86 EUR 446.86 EUR
Standard	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP
Video inputs	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC	16 pcs BNC	16 pcs BNC	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC	16 pcs BNC
Video outputs	1 pcs HDMI 1 pcs VGA 1 pcs CVBS output - BNC socket	• 1 pcs HDMI • 1 pcs VGA • 1 pcs CVBS output - BNC socket	• 1 pcs HDMI 4K • 1 pcs VGA • 1 pcs CVBS output - BNC socket	1 pcs HDMI 1 pcs VGA	1 pcs HDMI 1 pcs VGA	• 1 pcs HDMI 4K • 1 pcs VGA There is a possibility to configure a SPOT function on one of the output	1 pcs HDMI 1 pcs VGA
Audio inputs	• 16 - Audio support via coaxial cable, • 2 pcs CINCH	• 6 pcs CINCH, • 16 pcs Coaxial audio - Audio support via coaxial cable	• 6 pcs CINCH, • 16 pcs Coaxial audio - Audio support via coaxial cable	• 1 pcs CINCH, • 16 - Audio support via coaxial cable	• 1 pcs CINCH, • 16 - Audio support via coaxial cable, HD-CVI only	1 pcs CINCH 16 Channels - Audio support via coaxial cable, HD-CVI only	1 pcs - CINCH 16 - Audio support via coaxial cable, HD-CVI only
Audio outputs	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH
Image compression method	H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264	H.265 / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264
Image records resolutions	• AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1944, - AHD / HD-TVI only 4M-N - 1280 x 1440 , 1080N - 960 x 1080 , 720p - 1280 x 720 • CVBS / PAL : 960 x 576 • IP : max. 8.3 Mpx - 3840 x 2160 4K UHD	• AHD / HD-TVI : 5M-N - 1280 x 1952 , • AHD / HD-CVI / HD-TVI : 4M-N - 1280 x 1440 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS / PAL : 960H - 960 x 480 • IP : max. 8.3 Mpx - 3840 x 2160 4K UHD	• AHD / HD-TVI : 5 Mpx - 2560 x 1952 , 5M-N - 1280 x 1952 , • AHD / HD-CVI / HD-TVI : 8M-N - 1920 x 2160 , 4 Mpx - 2560 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 720p - 1280 x 720 , • CVBS / PAL : 960H - 960 x 480 • IP : max. 8.3 Mpx - 3840 x 2160 4K UHD	• AHD / HD-TVI : 5M-N - 1296 x 1944 - For cameras 12 fps , 4M-N - 1280 x 1440 - For cameras 15 fps , • AHD / HD-CVI / HD-TVI : 1080p - 1920 x 1080 , 1080N - 960 x 1080 , • HD-CVI : 720p - 1280 x 720 • CVBS : 960H - 960 x 576 , • IP : max. 8 Mpx - 3840 x 2160	• AHD / HD-CVI / HD-TVI : 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , D1 - 720 x 576 , • IP : 6 Mpx - 3072 x 2048	• 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	AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , CVBS : 960H - 960 x 576 IP : max. 6 Mpx - 3072 x 2048
Bitrate	...	...	...	...	32 ... 4096 kbps	...	...
ONVIF	...	–	–	...	...	...	...
Recording speed adjustment	1 ... 25 @ 8.3 Mpx IP 1 ... 6 fps @ 5M-N 1 ... 8 fps @ 4M-N 1 ... 15 fps @ 1080N 1 ... 15 fps @ 720p 1 ... 25 fps @ 960H for each channel	8.3 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 6 fps 4M-N @ 1 ... 8 fps 1080N @ 1 ... 15 fps 720p @ 1 ... 15 fps 960H @ 1 ... 25 fps for each channel	8.3 Mpx IP @ 1 ... 25 fps 8M-N @ 1 ... 8 5 Mpx @ 1 ... 6 5M-N @ 1 ... 10 fps 4 Mpx @ 1 ... 8 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	8 Mpx IP @ 1 ... 25 fps , 5M-N @ 1 ... 6 fps , 4M-N @ 1 ... 8 fps , 1080p @ 1 ... 15 fps , 1080N @ 1 ... 15 fps , 720p @ 1 ... 15 fps , 960H @ 1 ... 10 fps for each channel	6 Mpx IP @ 1 ... 25 fps 1080N @ 1 ... 25 fps - 1 CH only 1080N @ 1 ... 15 fps 720p @ 1 ... 25 fps - 1 CH only 720p @ 1 ... 15 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	6 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel
Operation modes	16 x AHD / HD-CVI / HD-TVI / IP All modes allow for any combination of the AHD, HD-CVI, HD-TVI, CVBS cameras The recorder allows you to connect analog / IP cameras only in pairs	16 x AHD / HD-CVI / HD-TVI / IP All modes allow for any combination of the AHD, HD-CVI, HD-TVI, CVBS cameras The recorder allows you to connect analog / IP cameras only in pairs	• 16 x AHD / HD-CVI / HD-TVI + 8 x IP • 32 x IP All modes allow for any combination of the AHD, HD-CVI, HD-TVI, CVBS cameras	8 x AHD / HD-CVI / HD-TVI / CVBS + 8 x AHD / HD-CVI / HD-TVI / CVBS / IP + 8 x IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 2 x IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 16 x IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 8 x IP
Recording modes	Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule
Supported hard drives	1 x 8 TB SATA	2 x 16 TB SATA	2 x 16 TB SATA	1 x 6 TB SATA	1 x 6 TB SATA	1 x 16 TB SATA	1 x 16 TB SATA
Max. power consumption	...	...	...	...	...	...	...
External storage devices backup	Records backup at (.avi) format to USB (pendrive)	Records backup at (.avi) format to USB (pendrive)	Records backup at (.avi) format to USB (pendrive)	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	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: timeline or file list. Playback: forward, backward, fast, slow. Records playback from max. 16 channels in the same time	Records searching: timeline or file list. Playback: forward, backward, fast, slow. Records playback from max. 4 channels in the same time @ 1080p / 30 fps	Records searching: timeline or file list. Playback: forward, backward, fast, slow. Records playback from max. 4 channels in the same time	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy) 1/4/8/16 channel synchronous playback	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy)	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy) 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) 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
Network interface	...	1 x RJ-45 - 10/100 Base-TX	1 x RJ-45 - 10/100 Base-TX	1 x RJ-45 - 10/100 Base-TX	1 x RJ-45 - 100BASE-TX	...	...
Network functions	• Network Client Software (iVMS320): live view, playback and backup of the records • IE browser: live view, playback and backup of the records and configuration of the recorder parameters	• Network Client Software (iVMS320): live view, playback and backup of the records • IE browser: live view, playback and backup of the records and configuration of the recorder parameters	• Network Client Software (iVMS320): live view, playback and backup of the records • IE browser: live view, playback and backup of the records and configuration of the recorder parameters	Full support via network, Remote records copying, Web Server built-in max. 128 on-line users	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Full support via network, Remote records copying, Web Server built-in	Full support via network, Remote records copying, Web Server built-in max. 128 on-line users
Intelligent image analysis	...	✔	✔	...	...	...	...
Network protocols	...	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTP, RTSP, RTCP	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTP, RTSP, RTCP	...	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, DDNS, FTP, Alarm Server, P2P, IP Search	...	...
Default IP address	192.168.1.88	192.168.1.88	192.168.1.88	...	...	...	...
Default admin user / password	admin / 12345	admin / 12345	admin / 12345	...	...	...	...
Mobile phones support	Port no.: 6000 or access by a cloud (P2P) • Android: Free application BitVision, Android: Free application iVMS320 • iOS (iPhone): Free application BitVision, iOS: Free application iVMS320	Port no.: 6000 or access by a cloud (P2P) • Android: Free application BitVision, Android: Free application iVMS320 • iOS (iPhone): Free application BitVision, iOS: Free application iVMS320	Port no.: 6000 or access by a cloud (P2P) • Android: Free application BitVision, Android: Free application iVMS320 • iOS (iPhone): Free application BitVision, iOS: Free application iVMS320	Port no.: 80 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	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	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
Web browser access ports	80, 5000, 554	80, 5000, 554	80, 5000, 554	...	...	...	...
PC client access ports	80, 5000, 554	80, 5000, 554	80, 5000, 554	...	...	...	...
Mobile client access ports	80, 5000, 6000	80, 5000, 6000	80, 5000, 6000	...	...	...	...
Port ONVIF	...	...	...	...	...	...	...
Country of origin	China	...	...	...	China	...	China
RTSP URL	...	...	...	...	...	...	...

	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5216A-4KL-I3 16 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5232AN-4KL-I3 32 CHANNELS 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 XVR5432L-I3 32 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5816S-I3 WizSense 16 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5832S-4KL-I3 32 CHANNELS DAHUA	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR XVR5832S-I3 WizSense 32 CHANNELS DAHUA
	923.29 EUR 923.29 EUR	1634.12 EUR 1634.12 EUR	1993.70 EUR 1993.70 EUR	1277.63 EUR 1277.63 EUR	1138.37 EUR 1138.37 EUR	2264.11 EUR 2264.11 EUR	1620.76 EUR 1620.76 EUR
Standard	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP
Video inputs	16 pcs BNC	32 pcs BNC	32 pcs BNC	32 pcs BNC	16 pcs BNC	32 pcs BNC	32 pcs BNC
Video outputs	• 1 pcs HDMI 4K • 1 pcs VGA There is a possibility to configure a SPOT function on one of the output	• 1 pcs HDMI 4K • 1 pcs VGA • 1 pcs BNC There is a possibility to configure a SPOT function on one of the output	• 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	• 1 pcs HDMI 4K • 1 pcs HDMI • 1 pcs VGA • 1 pcs BNC There is a possibility to configure a SPOT function on one of the output	2 pcs HDMI 1 pcs VGA	• 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	• 1 pcs HDMI 4K • 1 pcs HDMI • 1 pcs VGA • 1 pcs Video composite (BNC socket)
Audio inputs	4 pcs CINCH , 16 Channels - Audio support via coaxial cable, HD-CVI only	1 pcs CINCH , 32 Channels - Audio support via coaxial cable, HD-CVI only	• 4 pcs BNC, • 1 pcs BNC - Microphone • 32 Channels - Audio support via coaxial cable, HD-CVI only	• 4 pcs BNC, • 1 pcs BNC - Microphone, • 32 Channels - Audio support via coaxial cable, HD-CVI only	1 pcs - BNC socket - Microphone 16 pcs - BNC socket 16 - Audio support via coaxial cable, HD-CVI only	• 16 pcs BNC, • 1 pcs BNC - Microphone • 32 Channels - Audio support via coaxial cable, HD-CVI only	• 16 pcs BNC, • 1 pcs BNC - Microphone • 32 Channels - Audio support via coaxial cable, HD-CVI only
Audio outputs	1 pcs CINCH	1 pcs CINCH	• 1 pcs BNC, • 1 pcs BNC - Microphone	• 1 pcs BNC, • 1 pcs BNC - Microphone	1 pcs BNC socket	• 1 pcs BNC • 1 pcs BNC - Microphone	• 1 pcs BNC • 1 pcs BNC - Microphone
Image compression method	H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264
Image records resolutions	• 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	• 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 - 2880 x 1620 , 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	• 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	• AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1944 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 • IP : max. 8 Mpx - 3840 x 2160	AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , AHD / HD-TVI : 3M-N 1024 x 1536 , CVBS : 960H - 960 x 576 IP : max. 8.3 Mpx 4K UHD - 3840 x 2160	• 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	• AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 • IP : max. 8.3 Mpx 4K UHD - 3840 x 2160
Bitrate	...	...	...	...	...	...	...
ONVIF	...	...	...	...	...	...	...
Recording speed adjustment	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	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	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 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	8.3 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	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	8.3 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel
Operation modes	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 16 x IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 8 x IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP
Recording modes	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Sensor, Motion detection, Schedule
Supported hard drives	2 x 16 TB SATA	2 x 16 TB SATA	4 x 16 TB SATA + 1 x eSATA	4 x 16 TB SATA + 1 x eSATA	• 8 x 16 TB SATA • 1 x Port eSATA	8 x 16 TB SATA + 1 x eSATA	8 x 16 TB SATA + 1 x eSATA
Max. power consumption	...	...	...	...	...	...	...
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	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	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	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) All channels synchronous playback, Smart Search function 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	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 - no possibility of simultaneous playback of recordings from all channels	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) 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) Smart search for a person based on a face photo 1/4/9/16 channel synchronous playback
Network interface	...	...	...	...	...	...	2 x RJ-45 - 10/100/1000 Base-TX
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	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	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	Full support via network, Remote records copying, Web Server built-in max. 64 on-line users
Intelligent image analysis	...	...	...	...	...	...	...
Network protocols	...	...	...	...	...	...	...
Default IP address	...	...	...	...	...	...	...
Default admin user / password	...	...	...	...	...	...	...
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	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	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	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
Web browser access ports	...	...	...	...	...	...	...
PC client access ports	...	...	...	...	...	...	...
Mobile client access ports	...	...	...	...	...	...	...
Port ONVIF	...	...	...	...	...	...	...
Country of origin	...	...	...	...	China	...	...
RTSP URL	...	...	...	...	...	...	...

	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR DS-7616HUHI-F2/N 16 CHANNELS Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR IDS-7216HQHI-M1/S(C) 16 CHANNELS ACUSENSE Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR IDS-7216HQHI-M1/S/16A+4/1ALM 16 CHANNELS ACUSENSE Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR IDS-7216HQHI-M2/S(C) 16 CHANNELS ACUSENSE Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR IDS-7216HUHI-M2/S(E)/4A+16/4ALM 16 CHANNELS ACUSENSE Hikvision	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR IDS-7232HQHI-M2/S(E) 32 CHANNELS Hikvision
	706.50 EUR 706.50 EUR	390.11 EUR 390.11 EUR	430.17 EUR 430.17 EUR	461.17 EUR 461.17 EUR	803.11 EUR 803.11 EUR	777.83 EUR 777.83 EUR
Standard	AHD, HD-CVI, HD-TVI, TCP/IP, PAL	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP
Video inputs	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS	16 pcs BNC	32 pcs BNC
Video outputs	1 pcs HDMI 4K 1 pcs VGA 1 pcs CVBS - BNC socket	1 pcs HDMI 1 pcs VGA 1 pcs CVBS - BNC socket	1 pcs HDMI 4K 1 pcs VGA 1 pcs CVBS - BNC socket	1 pcs HDMI 1 pcs VGA 1 pcs CVBS - BNC socket	1 pcs HDMI 4K 1 pcs VGA 1 pcs CVBS - BNC socket	1 pcs HDMI 1 pcs VGA 1 pcs CVBS - BNC socket
Audio inputs	4 pcs CINCH	1 pcs CINCH 16 pcs Coaxial audio - Audio from cameras	16 pcs CINCH , 16 pcs Coaxial audio - Audio from cameras	1 pcs CINCH 16 pcs Coaxial audio - Audio from cameras	4 pcs CINCH 16 pcs Coaxial audio - Audio from cameras	1 pcs CINCH
Audio outputs	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH
Image compression method	H.264 / H.264+	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264	H.265 / H.265+ / H.264 / H.264+	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264	H.265 / H.265+ / H.264 / H.264+
Image records resolutions	• AHD : 1080p - 1920 x 1080 , 720p - 1280 x 720 , • HD-CVI : 1080p - 1920 x 1080 , 720p - 1280 x 720 , • HD-TVI : 3.0 Mpx - 1920 x 1536 , 1080p - 1920 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , • IP : max. 8 Mpx - 3840 x 2160, 4K UHD	• HD-TVI : 3K Lite - 1480 x 1944 , • AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , • IP : max. 6 Mpx - 3072 x 2048	• HD-TVI : 3K Lite , • AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 • IP : max. 6 Mpx - 3072 x 2048	• HD-TVI : 3K Lite - 1480 x 1940 , • AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1440 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , • IP : max. 6 Mpx - 3072 x 2048	• HD-TVI : 8.3 Mpx - 3840 x 2160 , 5.0 Mpx - 2960 x 1665 (3K) , 5.0 Mpx - 2560 x 1944 , 3.7 Mpx - 2560 x 1440 , 3.0 Mpx - 1920 x 1536 , 1080p - 1920 x 1080 , 720p - 1280 x 720 , • AHD : 5 Mpx - 2560 x 1944 , 3.7 Mpx - 2560 x 1440 , 1080p - 1920 x 1080 , 720p - 1280 x 720 , • HD-CVI : 8.3 Mpx - 3840 x 2160 , 5.0 Mpx - 2560 x 1944 , 3.7 Mpx - 2560 x 1440 , 1080p - 1920 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , D1 - 704 x 576 , • IP : max. 8 Mpx - 3840 x 2160	• AHD : 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • HD-CVI : 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • HD-TVI : 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • CVBS : 960H - 960 x 576 , D1 - 704 x 576 , • IP : max. 6 Mpx - 3072 x 2048
Bitrate	76 Mbps	32 ... 6144 kbps	...	32 ... 6144 kbps	...	32 ... 6144 kbps
ONVIF	...	...	...	...	...	...
Recording speed adjustment	8 Mpx IP @ 1 ... 25 fps 3 Mpx @ 1 ... 15 fps 1080p @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	6 Mpx IP @ 1 ... 25 fps 3K Lite @ 1 ... 12 fps 5M-N @ 1 ... 12 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	6 Mpx IP @ 1 ... 25 fps 3K Lite @ 1 ... 12 fps 5M-N @ 1 ... 12 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	6 Mpx IP @ 1 ... 25 fps 3K Lite @ 1 ... 12 fps 5M-N @ 1 ... 12 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	8 Mpx IP @ 1 ... 25 fps 8 Mpx @ 1 ... 8 fps 5 Mpx @ 1 ... 12 fps 3.7 Mpx @ 1 ... 15 fps 3 Mpx @ 1 ... 18 fps 1080p @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps D1 @ 1 ... 25 fps for each channel	6 Mpx IP @ 1 ... 25 fps IP 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel
Operation modes	16 x HD-TVI / AHD / HD-CVI / CVBS / IP + 16 x IP	16 x HD-TVI / AHD / HD-CVI / PAL / IP + 8 x IP	16 x HD-TVI / AHD / HD-CVI / PAL / IP + 8 x IP	16 x HD-TVI / AHD / HD-CVI / PAL / IP + 8 x IP	16 x HD-TVI / AHD / HD-CVI / PAL / IP + 16 x IP	32 x HD-TVI / AHD / HD-CVI / PAL / IP + 8 x IP
Recording modes	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule
Supported hard drives	2 x 6 TB SATA	1 x 10 TB SATA	1 x 10 TB SATA	2 x 10 TB SATA	2 x 10 TB SATA	2 x 10 TB SATA
Max. power consumption	≤ 40 W (without HDD)	...	...	...	...	...
External storage devices backup	Backup to USB drive (pendrive, external drive)	Backup to USB drive (pendrive, external drive)	Backup to USB drive (pendrive, external drive)	Backup to USB drive (pendrive, external drive)	Backup to USB drive (pendrive, external drive)	Backup to USB drive (pendrive, external drive)
Searching and playback the records	Records searching: timeline or file list. Playback: forward, fast, slow. Records playback from max. 16 channels in the same time	Records searching: timeline or file list. Playback: forward, fast, slow. Playback max. 16 cameras in the same time	Records searching: timeline or file list. Playback: forward, fast, slow. All channels synchronous playback, Smart Search function Playback max. 16 cameras in the same time	Records searching: timeline or file list. Playback: forward, fast, slow. Playback max. 16 cameras in the same time	Records searching: timeline or file list. Playback: forward, fast, slow. Playback max. 16 cameras in the same time	Records searching: timeline or file list. Playback: forward, fast, slow. Playback max. 16 cameras in the same time
Network interface	...	1 x RJ-45 - 10/100/1000 Base-T	1 x RJ-45 - 10/100/1000 Base-T	1 x RJ-45 - 10/100/1000 Base-T	1 x RJ-45 - 10/100/1000 Base-T	1 x RJ-45 - 10/100/1000 Base-T
Network functions	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters
Intelligent image analysis	...	...	...	...	...	...
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF
Default IP address	...	DHCP or 192.168.1.64	DHCP or 192.168.1.64	DHCP or 192.168.1.64	DHCP or 192.168.1.64	DHCP or 192.168.1.64
Default admin user / password	...	admin / - The administrator password should be set at the first start	admin / - The administrator password should be set at the first start	admin / -	admin / -	admin / -
Mobile phones support	Port no.: 8000 or access by a cloud (P2P) Android: Free application iVMS-4500 or Hik-Connect iOS (iPhone): Free application iVMS-4500 or Hik-Connect	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	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	Port no.: 8000 or access by a cloud (P2P) • Android: Free application Hik-Connect • Android: Free application Hik-Connect
Web browser access ports	...	80	80	80	80	80
PC client access ports	...	554 RTSP, 8000	554 RTSP, 8000	554 RTSP, 8000	554 RTSP, 8000	554 RTSP, 8000
Mobile client access ports	...	8000	8000	8000	8000	8000
Port ONVIF	...	80	80	80	80	80
Country of origin	China	...	...	...	...	...
RTSP URL	...	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream

	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L-XVR1601-4KE-IV 16 CHANNELS BCS Line	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L-XVR1601-V 16 CHANNELS BCS Line	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L-XVR1602-V 16 CHANNELS BCS Line	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L-XVR1604-4KE-IV 16 CHANNELS +eSATA BCS Line	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-L-XVR3204-4KE-IV 32 CHANNELS +eSATA BCS Line	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP DVR BCS-V-XVR1602-AI 16 CHANNELS BCS View
	672.20 EUR 672.20 EUR	404.18 EUR 404.18 EUR	476.67 EUR 476.67 EUR	1120.49 EUR 1120.49 EUR	1806.28 EUR 1806.28 EUR	449.48 EUR 449.48 EUR
Standard	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP	AHD, HD-CVI, HD-TVI, CVBS, TCP/IP
Video inputs	16 pcs BNC	16 pcs BNC	16 pcs BNC	16 pcs BNC	32 pcs BNC	16 pcs BNC
Video outputs	1 pcs HDMI 4K 1 pcs VGA	1 pcs HDMI 4K 1 pcs VGA	1 pcs HDMI 1 pcs VGA	1 pcs HDMI 4K 1 pcs HDMI 1 pcs VGA 1 pcs Composite Video (CVBS) - BNC socket	1 pcs HDMI 4K 1 pcs HDMI 1 pcs VGA 1 pcs Composite Video (CVBS) - BNC socket	• 1 pcs HDMI • 1 pcs VGA • 1 pcs CVBS - BNC socket
Audio inputs	1 pcs CINCH 16 Channels - Audio support via coaxial cable, HD-CVI only	1 pcs CINCH 16 Channels - Audio support via coaxial cable, HD-CVI only	1 pcs CINCH	4 pcs BNC , 1 pcs BNC - Microphone 16 Channels - Audio support via coaxial cable, HD-CVI only	4 pcs BNC , 1 pcs BNC - Microphone 32 Channels - Audio support via coaxial cable, HD-CVI only	• 1 pcs CINCH, • 16 pcs Coaxial audio - Audio support via coaxial cable
Audio outputs	1 pcs CINCH	1 pcs CINCH	1 pcs CINCH	1 pcs BNC 1 pcs BNC - Microphone	1 pcs BNC 1 pcs BNC - Microphone	1 pcs CINCH
Image compression method	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264 / AI Coding	AI Coding / H.265+ / H.265 / H.264+ / H.264	AI Coding / H.265+ / H.265 / H.264+ / H.264	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264
Image records resolutions	• 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	• AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1944 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 , • IP : max. 6 Mpx - 3072 x 2048	• AHD / HD-CVI / HD-TVI : 5M-N - 1296 x 1944 , 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 • CVBS : 960H - 960 x 576 , • IP : max. 6 Mpx - 3072 x 2048	• 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. 12 Mpx - 4000 x 3000	• 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. 12 Mpx - 4000 x 3000	• AHD / HD-CVI / HD-TVI : 4M-N - 1280 x 1440 , 1080p - 1920 x 1080 , 1080N - 960 x 1080 , 720p - 1280 x 720 , • HD-TVI : 3 Mpx - 1920 x 1536 1,2,3,4 CH only , • PAL : 960H - 960 x 576 , • IP : max. 6 Mpx - 3072 x 2048
Bitrate	...	...	...	...	...	...
ONVIF	...	...	...	...	...	...
Recording speed adjustment	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	6 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	6 Mpx IP @ 1 ... 25 fps 5M-N @ 1 ... 10 fps 4M-N @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel	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	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	6 Mpx IP @ 1 ... 25 fps 4M-N @ 1 ... 15 fps 3 Mpx @ 1 ... 15 fps 1080p @ 1 ... 15 fps 1080N @ 1 ... 25 fps 720p @ 1 ... 25 fps 960H @ 1 ... 25 fps for each channel
Operation modes	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 16 x IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 8 x IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 8 IP	16 x AHD / HD-CVI / HD-TVI / CVBS / IP + 16 x IP	32 x AHD / HD-CVI / HD-TVI / CVBS / IP	16 x HD-TVI / AHD / HD-CVI / CVBS / IP + 8 x IP
Recording modes	Manual, Motion Detection, Schedule	Manual, Motion Detection, Schedule	Manual, Motion Detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Sensor, Motion detection, Schedule	Manual, Motion Detection, Schedule
Supported hard drives	1 x 16 TB SATA	1 x 16 TB SATA	2 x 16 TB SATA	4 x 16 TB SATA + 1 x eSATA	4 x 16 TB SATA + 1 x eSATA	2 x 10 TB SATA
Max. power consumption	...	...	...	...	...	...
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	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	Save single frames and whole records from DVR drive to the USB drive	Backup to USB drive (pendrive, external 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) All channels synchronous playback, Smart Search function 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	Records searching: by time + timeline with record type. Playback: forward, fast, slow, step Advanced searching (to the one second accuracy)	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	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	Records searching: timeline or file list. Playback: forward, fast, slow. 1/4/8/16 channel synchronous playback
Network interface	...	...	...	...	...	1 x RJ-45 - 10/100/1000 Base-TX
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	Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters	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	Full support via network, Remote records copying, Web Server built-in max. 128 on-line users
Intelligent image analysis	...	...	...	...	...	...
Network protocols	...	...	...	...	...	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP, HTTPS, ONVIF
Default IP address	...	...	...	...	...	DHCP or 192.168.1.64
Default admin user / password	...	...	...	...	...	admin / - The administrator password should be set at the first start
Mobile phones support	Port no.: 37777 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	Port no.: 37777 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	Port no.: 37777 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	Port no.: 37777 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	Port no.: 37777 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager	Port no.: 8000 or access by a cloud (P2P) • Android: Free application BCS Manager • iOS (iPhone): Free application BCS Manager
Web browser access ports	...	...	...	...	...	80
PC client access ports	...	...	...	...	...	554 RTSP, 8000 - CMS application
Mobile client access ports	...	...	...	...	...	8000
Port ONVIF	...	...	...	...	...	80
Country of origin	...	...	...	...	...	...
RTSP URL	...	...	...	...	...	• rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no01/ - Main stream • rtsp://user:password@192.168.1.64:554/Streaming/Channels/channel_no02/ - Sub stream

USB	3 pcs USB 2.0	2 pcs USB 2.0	2 pcs USB 2.0	2 x USB 2.0	2 x USB 2.0	1 pcs USB 3.0 1 pcs USB 2.0	1 pcs USB 2.0 1 pcs USB 3.0	1 pcs USB 3.0 1 pcs USB 2.0	1 pcs USB 3.0 1 pcs USB 2.0
Serial ports	...	...	...	...	...	...	...	...	...
Alarm inputs / outputs	—	4 / 1	4 / 1	—	—	—	—	16 / 3	—
PTZ control	RS-485 - PELCO-D/P	RS-485 - PELCO-D/P	RS-485 - PELCO-D/P	• IP Speed Dome Cameras • RS-485 - PELCO-D/P	IP Speed Dome Cameras Control compatible with coax PTZ HD-CVI	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	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 : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	✔	✔	✔	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones
Main features	...	• Intelligent image analysis : Human detection • Video PUSH, e-mail personal messaging • Privacy zones	• Intelligent image analysis : Human detection • Video PUSH, e-mail personal messaging • Privacy zones	RS-485 interface	SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle	• 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 12 selected photos with the ability to independently set the similarity threshold for each photo	• 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 • Coax Audio/Alarm support, • Intelligent image analysis : crossing the line (tripwire), intrusion, classification of people and vehicles • advanced face recognition and search functions • Support for up to 10 face databases, including 10 000 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	• 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	• 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 • Face recognition and analysis in real time (up to 12 photos per second) - supports 6 types of facial attributes extraction
Mouse support	✔	✔	✔	✔	✔	✔	✔	✔	✔
IR remote controller in the set	—	—	—	—	—	—	—	—	—
Power supply	12 V DC / 2 A (power adapter included)	12 V DC / 4 A (power adapter included)	12 V DC / 4 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2.0 A (power adapter included)	12 V DC / 3 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 5 A (power adapter included)	12 V DC / 5 A (power adapter included)
Power consumption	...	≤ 15 W (without HDD)	≤ 15 W (without HDD)	≤ 10 W (without HDD)	...	...	...	...	...
Color	Black	Black	Black	Black	Black	Black	Black	Black	Black
Weight	0.85 kg	1.45 kg	1.45 kg	1 kg	0.91 kg	1.38 kg	1.03 kg	1.8 kg	2.4 kg
Dimensions	260 x 240 x 48 mm	310 x 305 x 46 mm	310 x 305 x 46 mm	255 x 260 x 46 mm	260 x 232 x 48 mm	325 x 257 x 55 mm	260 x 236 x 48 mm	375 x 287 x 53 mm	375 x 335 x 53 mm
Supported languages	Polish, English, Bulgarian, Czech, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Czech, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Czech, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Hungarian, Italian	English, Czech, French, Spanish, Dutch, German, Polish, Portuguese, Slovak, Italian	Polish, English, Bulgarian, Czech, Finnish, Greek, Romanian, Serbian, Slovenian, Hungarian	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	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	APTI	APTI	APTI	BCS BASIC	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA
SAP Code	...	...	...	...	...	...	...	...	...
Guarantee	2 years	2 years	2 years	3 years	3 years	3 years	3 years	3 years	3 years

USB	• 2 pcs USB 3.0 • 1 pcs USB 2.0	2 pcs USB 3.0 1 pcs USB 2.0	2 pcs USB 2.0 2 pcs USB 3.0	• 2 pcs USB 2.0 • 2 pcs USB 3.0	• 2 pcs USB 2.0 • 2 pcs USB 3.0	• 1 pcs USB 3.0 • 1 pcs USB 2.0	• 1 pcs USB 2.0 • 1 pcs USB 3.0	• 1 pcs USB 2.0 • 1 pcs USB 3.0	• 1 pcs USB 2.0 • 1 pcs USB 3.0
Serial ports	...	...	...	...	...	...	...	RS-485	...
Alarm inputs / outputs	16 / 6	16 / 6	16 / 6	16 / 6	16 / 6	16 / 4	—	4 / 1	—
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	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	IP Speed Dome Cameras Control compatible with coax PTZ HD-CVI RS-485 - PELCO-D/P	RS-485 - PELCO-D/P Control compatible with coax HD-TVI Hikvision	RS-485 PELCO-D/P Control compatible with coax HD-TVI Hikvision	RS-485 PELCO-D/P Control compatible with coax HD-TVI Hikvision	RS-485 PELCO-D/P Control compatible with coax HD-TVI Hikvision
Motion Detection	Split the screen into zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones	Split the screen into zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones 22 x 18 motion zones	2.0	2.0	2.0
Main features	• 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	• 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, • Intelligent image analysis : crossing the line (tripwire), crossing the line (tripwire), classification of people and 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 10 000 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	• 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 • Coax Audio/Alarm support, • Intelligent image analysis : crossing the line (tripwire), intrusion, classification of people and vehicles • advanced face recognition and search functions • Support for up to 10 face databases, including 10 000 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 • RS-232 interface	• 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	• 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), intrusion - classification of people and vehicles, face detection • advanced face recognition and search functions • Face analysis: determination of sex, age and characteristic elements of appearance (glasses, facial hair, mask) • Support for up to 10 face databases, including 10 000 face images • In the base other than face photography, can also be stored such information as: name, sex, date of birth, nationality, address, ID number • Filtering of false alarms based on the recognition of persons and vehicles • RS-232 interface	Intelligent image analysis	• DVR from the AcuSense series • Intelligent image analysis : intrusion, crossing the line (tripwire), Deep Learning technology • Smart motion detection (with recognizing people and vehicles) • Filtering of false alarms based on the recognition of persons and vehicles • face detection	• DVR from the AcuSense series, • Intelligent image analysis : intrusion, crossing the line (tripwire), Deep Learning technology, Smart motion detection (with recognizing people and vehicles), • Filtering of false alarms based on the recognition of persons and vehicles • face detection	• DVR from the AcuSense series • Intelligent image analysis : intrusion, crossing the line (tripwire), Deep Learning technology • Smart motion detection (with recognizing people and vehicles) • Filtering of false alarms based on the recognition of persons and vehicles
Mouse support	✔	✔	✔	✔	✔	✔	✔	✔	✔
IR remote controller in the set	—	—	—	—	—	✔	—	—	—
Power supply	100 V ... 240 V AC @ 50 / 60 Hz	100 V ... 240 V AC @ 50 / 60 Hz	230 V AC	100 V ... 240 V AC @ 50 / 60 Hz	100 ... 240 V AC	12 V / 5 A DC (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 3.33 A (power adapter included)
Power consumption	...	...	...	...	max. 22 W (without HDD)	...	...	≤ 24 W	...
Color	Black	Black	Black	Black	Black	Black	Black	Black	Black
Weight	4.94 kg	4.85 kg	6.7 kg	6.98 kg	6.85 kg	2.07 kg	1.31 kg	1.3 kg	1.88 kg
Dimensions	440 x 420 x 76 mm, RACK 19", 2U	440 x 421 x 76 mm	440 x 463 x 95 mm	440 x 463 x 95 mm, RACK 19", 2U	440 x 463 x 95 mm, RACK 19", 2U	380 x 325 x 52 mm	315 x 242 x 47 mm	320 x 249 x 48 mm	380 x 320 x 52 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	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	Polish, English, Czech, Danish, Finnish, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	Hikvision	Hikvision	Hikvision
SAP Code	...	...	...	...	...	300217821	300227545	300228033	300227546
Guarantee	5 years	5 years	5 years	5 years	5 years	3 years	3 years	3 years	3 years

USB	• 1 pcs USB 2.0 • 1 pcs USB 3.0	...	1 x USB 2.0 1 x USB 3.0	1 x USB 2.0 1 x USB 3.0	1 x USB 2.0 1 x USB 3.0	1 x USB 2.0 2 x USB 3.0	1 x USB 2.0 2 x USB 3.0	• 1 x USB 2.0 • 1 x USB 3.0
Serial ports	RS-485	...	...	...	...	...	...	...
Alarm inputs / outputs	16 / 4	—	—	—	—	16 / 6	16 / 6	—
PTZ control	RS-485 PELCO-D/P Control compatible with coax HD-TVI Hikvision	RS-485 PELCO-D/P Control compatible with coax HD-TVI Hikvision	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	RS-485 - PELCO-D/P and others	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	• Control compatible with coax HD-TVI • RS-485 - PELCO-D/P
Motion Detection	2.0	2.0	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones	Split the screen into zones : 22 x 18 motion zones
Main features	• DVR from the AcuSense series • Intelligent image analysis : intrusion, crossing the line (tripwire), Deep Learning technology • Filtering of false alarms based on the recognition of persons and vehicles • Motion detection with human/vehicle silhouette recognition	• DVR from the AcuSense series • Intelligent image analysis : intrusion, crossing the line (tripwire), Deep Learning technology • Filtering of false alarms based on the recognition of persons and vehicles • Motion detection with human/vehicle silhouette recognition	• Privacy zones - max. 4 • SMD PLUS - searching for an object classified as: human, motor vehicle, • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, face detection	• Privacy zones - max. 4 • SMD PLUS - searching for an object classified as: human, motor vehicle, • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, face detection	Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, abandoned/missing object, face detection, Face recognition - 2 Channels • Cooperation with POS (Point of Sale) terminals • Filtering of false alarms based on the recognition of persons and vehicles (tripwire, intrusion) - perimeter protection 2 Channels • SMD PLUS - searching for an object classified as: human, motor vehicle, non-motor vehicle - 16 Channels	• RS-232 interface • Privacy zones - max. 4 • SMD PLUS - searching for an object classified as: human, motor vehicle, • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, face detection	• RS-232 interface (RJ-45) • Privacy zones - max. 4 • SMD PLUS - searching for an object classified as: human, motor vehicle, • POS - support the machines installed in the points of sales and displaying the date from them as overlaid text on selected channel window, • Intelligent image analysis : crossing the line (tripwire), intrusion - classification of people and vehicles, face detection	• Intelligent image analysis : intrusion, crossing the line (tripwire) • SMD PLUS - searching for an object classified as: human, motor vehicle
Mouse support	✔	✔	✔	✔	✔	✔	✔	✔
IR remote controller in the set	—	—	✔	—	✔	✔	✔	—
Power supply	12 V DC / 5 A (power adapter included)	12 V DC / 5 A (power adapter included)	12 V DC / 3 A (power adapter included)	12 V DC / 2 A (power adapter included)	12 V DC / 4 A (power adapter included)	100 V ... 240 V AC	100 V ... 240 V AC	12 V DC / 3.33 A (power adapter included)
Power consumption	≤ 19 W	...	...	...	...	max. 20 W (without HDD)	max. 22 W (without HDD)	max. 40 W
Color	Black	Black	Black	Black	Black	Black	Black	Black
Weight	2.02 kg	2.12 kg	1.41 kg	1.02 kg	1.76 kg	4.86 kg	5.00 kg	1.87 kg
Dimensions	380 x 327 x 52 mm	380 x 330 x 52 mm	325 x 256 x 55 mm, RACK 19", 1U	260 x 240 x 47 mm, RACK 19", 1U	375 x 288 x 53 mm	440 x 421 x 76 mm, RACK 19", 1.5U	440 x 421 x 76 mm, RACK 19", 1.5U	380 x 326 x 50 mm
Supported languages	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian	Polish, English	Polish, English	Polish, English	Polish, English	Polish, English	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Greek, Spanish, Dutch, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian
Manufacturer / Brand	Hikvision	Hikvision	BCS Line	BCS Line	BCS Line	BCS Line	BCS Line	BCS View
SAP Code	300227840	300227850	...	...	...	...	...	...
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years