	AHD, HD-CVI, HD-TVI CAMERA APTI-H50V3-2812 2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50V31-2812W 2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, CVBS CAMERA APTI-H52V31-2812W - 8.3 Mpx 4K UHD 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, CVBS CAMERA APTI-H83V31-2812W - 8.3 Mpx 4K UHD 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW1500R-Z-2712-S2 - 5 Mpx 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1500T-Z-A-2712-S2 - 5 Mpx 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1801T-Z-A-27135-S2 - 8.3 Mpx 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2501T-Z-A-27135-S2 - 5 Mpx 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2802T-Z-A-3711 - 8.3 Mpx 3.7 ... 11 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, CVBS CAMERA DS-2CE76H0T-IT3ZF(2.7-13.5mm)(C) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-DMQ38031IR3-B - 8.3 Mpx 4K UHD 3.3 ... 12 mm MOTOZOOM	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-EA48VW86 - 8.3 Mpx 2.7 ... 13.5 mm - MOTOZOOM
	45.54 EUR 45.54 EUR	44.01 EUR 44.01 EUR	59.32 EUR 59.32 EUR	74.24 EUR 74.24 EUR	138.49 EUR 138.49 EUR	138.49 EUR 138.49 EUR	203.07 EUR 203.07 EUR	214.31 EUR 214.31 EUR	316.92 EUR 316.92 EUR	125.57 EUR 125.57 EUR	173.41 EUR 173.41 EUR	127.96 EUR 127.96 EUR
Standard	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI, CVBS	AHD, HD-CVI, HD-TVI, CVBS	AHD / HD-CVI / HD-TVI / CVBS	AHD, HD-CVI, HD-TVI, CVBS	AHD, HD-CVI, HD-TVI, CVBS	AHD, HD-CVI, HD-TVI, PAL	AHD, HD-CVI, HD-TVI, CVBS	AHD, HD-CVI, HD-TVI, CVBS	AHD / HD-CVI / HD-TVI / CVBS	AHD, HD-CVI, HD-TVI, CVBS
Sensor	1/2.7 " CMOS	1/2.7 " CMOS	1/2.5 " Sony CMOS	1/2.8 " SONY Starvis™ Back-illuminated CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/1.8 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.5 " SONY Starvis™ CMOS	1/2.7 " Progressive Scan CMOS
Matrix size	5 Mpx	5 Mpx	8.3 Mpx	8.3 Mpx	5 Mpx	5 Mpx	8.3 Mpx	5 Mpx	8 Mpx	5 Mpx	8.3 Mpx	8.3 Mpx
IR illuminator support	...	...		...		ICR - Movable InfraRed filter				...	...	ICR - Movable InfraRed filter
Resolution	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, 30 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, 30 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI	• 3840 x 2160 - 8.3 Mpx 4K UHD @ AHD / HD-CVI / HD-TVI @ 12.5 fps, 15 fps • 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 12.5 fps, 20 fps, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 15 fps, 25 fps, 30 fps, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps, 30 fps, • 960 x 576 - 960H @ PAL	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD, 15 fps , 3840 x 2160 - 8.3 Mpx, 4K UHD @ HD-CVI / HD-TVI, 15 fps / 12.5 fps , 2592 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps / 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD, 30 fps / 25 fps / 15 fps , 2560 x 1440 - 4 Mpx @ HD-TVI / HD-CVI, 30 fps / 25 fps , 1920 x 1080 - 1080p @ AHD / HD-TVI / HD-CVI, 30 fps / 25 fps , 960 x 576 - 960H @ CVBS	2880 x 1620 - 5 Mpx @ 25 fps - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx @ 25 fps , 1920 x 1080 - 1080p @ 25 fps - HD-CVI only , 960 x 576 - 960H, PAL	2880 x 1620 - 5 Mpx, HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p, HD-CVI only , 960 x 576 - 960H, PAL	• AHD / HD-CVI / HD-TVI : 3840 x 2160 - 8.3 Mpx, 4K UHD • HD-CVI : 2880 x 1620 - 5 Mpx 2560 x 1440 - 3.7 Mpx • CVBS : 960 x 576 - 960H	2880 x 1620 - 5 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p - HD-CVI only , 960 x 576 - 960H, PAL	• HD-CVI : 3840 x 2160 - 8.3 Mpx, 4K UHD 2880 x 1920 - 6 Mpx 2560 x 1440 - 3.7 Mpx ; • AHD / HD-TVI : 2592 x 1944 - 5 Mpx , 2560 x 1440 - 3.7 Mpx • CVBS : 960 x 576 - 960H	2560 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI / HD-CVI @ 25 fps , 1920 x 1080 - 1080p @ HD-TVI, 25 fps 960 x 576 - 960H @ CVBS	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI, 15 fps / 12.5 fps , 2704 x 1950 - 5 Mpx @ AHD / HD-CVI / HD-TVI, 20 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI, 25 fps / 30 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI, 25 fps / 30 fps , 1280 x 720 - 720p @ AHD / HD-CVI / HD-TVI, 25 fps / 30 fps	• AHD / HD-CVI / HD-TVI : 3840 x 2160 - 8.3 Mpx, 4K UHD 2592 x 1944 - 5 Mpx 2560 x 1440 - 3.7 Mpx • CVBS : 960 x 576 - 960H
Range of IR illumination	30 m	30 m	30 m	30 m	30 m	60 m	60 m	60 m	60 m	40 m	40 m	60 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
S/N ratio	...	...	≥ 50 dB	...	> 65 dB	> 65 dB		> 65 dB	> 65 dB	...	...	...
Lens	2.8 ... 12 mm	2.8 ... 12 mm	2.8 ... 12 mm	2.8 ... 12 mm	2.7 ... 12 mm - Motozoom - The camera does not have auto-focus function	2.7 ... 12 mm - Motozoom - The camera does not have auto-focus function	2.7 ... 13.5 mm - Motozoom, AutoFocus	2.7 ... 13.5 mm - Motozoom	3.7 ... 11 mm - Motozoom	2.7 ... 13.5 mm - Motozoom	3.3 ... 12 mm Motozoom, AutoFocus	2.7 ... 13.5 mm - Motozoom - AutoFocus
View angle	• 88 ° ... 31 ° (manufacturer data) • 93 ° ... 35 ° (our tests result)	• 88 ° ... 31 ° (manufacturer data) • 87 ° ... 34 ° (our tests result)	• 92 ° ... 27 ° (manufacturer data) • 94 ° ... 37 ° (our tests result)	• 87 ° ... 24 ° (manufacturer data) • 85 ° ... 34 ° (our tests result)	• 107 ° ... 34 ° (manufacturer data) • 102 ° ... 35 ° @ HD-CVI (our tests result) • 88 ° ... 30 ° @ AHD / HD-TVI (our tests result)	• 107 ° ... 34 ° (manufacturer data) • 102 ° ... 34 ° (our tests result)	• 114 ° ... 32 ° (manufacturer data) • 110 ° ... 31 ° (our tests result)	• 113 ° ... 31 ° (manufacturer data) • 110 ° ... 32 ° @ HD-CVI, 94 ° ... 29 ° @ AHD, HD-TVI (our tests result)	• 112 ° ... 46 ° (manufacturer data) • 105 ° ... 46 ° (our tests result)	• 95 ° ... 26 ° (manufacturer data) • 93 ° ... 25 (our tests result)	• 90 ° ... 31 ° (manufacturer data) • 96 ° ... 32 ° (our tests result)	• 105 ° ... 33 ° (manufacturer data) • 96 ° ... 33 ° (our tests result)
Audio	...	...	...	...	▬	Microphone built-in - HD-CVI only	Microphone built-in - HD-CVI only	• Microphone built-in, • Audio support via coaxial cable - HD-CVI only	• Microphone built-in - HD-CVI only, • External microphone input - HD-CVI only	...	▬	• Microphone built-in - HD-CVI only
SAP Code	...	...	...	...	...	...	...	...	...	300615088	...	...
Video output	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI - Via OSD, selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI - Via OSD, selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / PAL - selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	AHD / HD-CVI / HD-TVI / PAL - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	1 x AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω, BNC socket	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω
Main features	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode - configurable • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode - configurable • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode - configurable • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode - configurable • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • Day/night mode • Auto White Balance • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • Day/night mode • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines • Privacy zones - max. 8	• Motozoom lens, AutoFocus - The control possible only from Dahua recorders in HD-CVI mode • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • D-ZOOM - Digital Zoom • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines • D-ZOOM - Digital Zoom : 4 x • Privacy zones - max. 8	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • WDR - 120 dB - Wide Dynamic Range • 2D-DNR / 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines • Mirror - Mirror image	• Motozoom lens • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • EXIR - high-efficiency infrared LEDs technology, which evenly covers the whole plan of both central vantage points of the scene as well as the corners • BLC - Back Light Compensation • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Mirror - Mirror image • Sharpness - sharper image outlines	• Motozoom lens, AutoFocus • WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 16	• Motozoom lens • WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines
OSD menu	✓	✓	✓	✓	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder	✓	✓	OSD menu available via recorder
Housing	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome, Metal	Dome, Aluminum	Dome, Metal	Dome, Aluminum	Dome, Aluminum	Dome, Metal	Dome, Metal	Dome, Metal
Color	Graphite	White	White	White	White	White	White	White	White	White	White	White
Power supply	12 V DC / 400 mA	12 V DC / 750 mA	12 V DC / 390 mA	12 V DC / 750 mA	12 V DC / 460 mA	12 V DC / 550 mA	12 V DC / 660 mA	12 V DC / 660 mA	12 V DC / 800 mA	12 V DC / 520 mA	12 V DC / 500 mA	12 V DC / 660 mA
"Index of Protection"	IP66	IP67	IP66	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP66	IP67
Power consumption	≤ 4.8 W	≤ 9 W	≤ 4.7 W	≤ 9 W	≤ 5.5 W	≤ 6.6 W	≤ 7.9 W	≤ 7.9 W	≤ 9.5 W	≤ 6.2 W	< 6 W	≤ 8 W
Vandal-proof	▬	▬	▬	▬	IK10	▬	▬	▬	▬	...	▬	▬
Operation temp	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 50 °C	-10 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C
Weight	0.55 kg	0.55 kg	0.56 kg	0.56 kg	0.44 kg	0.57 kg	0.59 kg	0.6 kg	0.61 kg	0.6 kg	0.52 kg	0.6 kg
Dimensions	Ø 120 x 100 mm	Ø 120 x 100 mm	Ø 120 x 83 mm	Ø 120 x 98 mm	Ø 122 x 89 mm	Ø 122 x 104 mm	Ø 122 x 105 mm	Ø 122 x 105 mm	Ø 122 x 107 mm	134 x 124 x 110 mm	Ø 119 x 104 mm	Ø 122 x 104 mm
Supported languages	Polish, English, French, Spanish, Portuguese, Russian, Italian	English, Portuguese, Russian, Italian	Polish, English, French, Spanish, Portuguese, Russian, Italian	English, Spanish, Portuguese	...	...	...	...	...	English	Polish, English	...
Manufacturer / Brand	APTI	APTI	APTI	APTI	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	BCS UNIVERSAL	BCS UNIVERSAL
Guarantee	2 years	2 years	2 years	2 years	3 years	3 years	3 years	5 years	5 years	3 years	3 years	3 years