	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA APTI-H50V3-2812 2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA APTI-H50V3-2812W 2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA APTI-H52V3-2812W - 5 Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, CVBS VANDALPROOF CAMERA APTI-H83V3-2812 - 8.3 Mpx, 4K UHD 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, CVBS VANDALPROOF CAMERA APTI-H83V3-2812W - 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 VANDALPROOF CAMERA HAC-HDBW1500R-Z-2712 - 5 Mpx 2.7 ... 12 mm , **MOTOZOOM** DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW2802RZ-3711 - 8.3 Mpx 3.7 ... 11 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 - 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-2CE56H0T-IT32F(2.7-13.5MM) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, CVBS CAMERA DS-2CE56H0T-ITZF(2.7-13.5MM) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-DMQE4500IR3-G - 5 Mpx 3.3 ... 12 mm
	44.26 EUR 54.44 EUR	46.62 EUR 57.34 EUR	50.76 EUR 62.43 EUR	72.10 EUR 88.68 EUR	67.93 EUR 83.55 EUR	127.85 EUR 157.26 EUR	127.17 EUR 156.42 EUR	248.02 EUR 305.06 EUR	127.85 EUR 157.26 EUR	175.74 EUR 216.16 EUR	168.06 EUR 206.71 EUR	248.93 EUR 306.18 EUR	118.82 EUR 146.15 EUR	116.56 EUR 143.37 EUR	65.28 EUR 80.29 EUR
Standard	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 / 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 " Progressive Scan CMOS	1/2.5 " Sony CMOS	1/2.8 " SONY Starvis™ Back-illuminated CMOS	1/2.8 " SONY Starvis™ Back-illuminated CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/1.8 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/1.8 " Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.5 " Progressive Scan CMOS
Matrix size	5 Mpx	5 Mpx	5 Mpx	8.3 Mpx	8.3 Mpx	5 Mpx	5 Mpx	8.3 Mpx	5 Mpx	8.3 Mpx	5 Mpx	8 Mpx	5 Mpx	5 Mpx	5.3 Mpx
IR illuminator support	...	...	...	...	...	...	...	...	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 , 960 x 576 - 960H @ PAL	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 , 960 x 576 - 960H @ PAL	• 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-TVI / HD-CVI @ 25 fps, 30 fps, • 960 x 576 - 960H @ PAL	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / 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 / HD-TVI / HD-CVI, 25 fps / 30 fps , 1920 x 1080 - 1080p @ AHD / HD-TVI / HD-CVI, 25 fps / 30 fps , 960 x 576 - 960H @ CVBS	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI, 12.5 fps , 2592 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps / 12.5 fps , 2592 x 1944 - 5 Mpx @ HD-CVI, 20 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI, 25 fps / 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-TVI / HD-CVI, 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	2592 x 1944 - 5 Mpx @ 20 fps - Aspect Ratio 4 : 3 , 2560 x 1440 - 3.7 Mpx @ 25 fps , 1920 x 1080 - 1080p @ 25 fps , 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	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 2592 x 1944 - 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 @ 20 fps , 2560 x 1440 - 4 Mpx @ 25 fps, 30 fps , 1920 x 1080 - 1080p @ 25 fps, 30 fps	2560 x 1944 - 5 Mpx @ 20 fps , 2560 x 1440 - 4 Mpx @ 25 fps, 30 fps , 1920 x 1080 - 1080p @ 25 fps, 30 fps	2704 x 1950 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p
Range of IR illumination	30 m	30 m	30 m	30 m	30 m	30 m	30 m	30 m	60 m	60 m	60 m	60 m	40 m	40 m	40 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 ... 12 mm	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	3.7 ... 11 mm - Motozoom	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	2.8 ... 13.5 mm - Motozoom	2.7 ... 13.5 mm - Motozoom The camera does not have auto-focus function	3.3 ... 12 mm, F2.0
Audio	...	...	...	...	...	-	-	External microphone input - HD-CVI only	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	...	...	-
View angle	• 88 ° ... 31 ° (manufacturer data) • 93 ° ... 35 ° (our tests result)	• 88 ° ... 31 ° (manufacturer data) • 100 ° ... 36 ° (our tests result)	• 92 ° ... 27 ° (manufacturer data) • 94 ° ... 37 ° (our tests result)	• 87 ° ... 24 ° (manufacturer data) • 85 ° ... 33 ° (our tests result)	• 87 ° ... 24 ° (manufacturer data) • 85 ° ... 33 ° (our tests result)	• 107 ° ... 34 ° (manufacturer data) • 102 ° ... 35 @ HD-CVI (our tests result) • 88 ° ... 30 ° @ AHD / HD-TVI (our tests result)	• 98 ° ... 34 ° (manufacturer data) • 90 ° ... 30 (our tests result)	• 112 ° ... 46 ° (manufacturer data) • 98 ° ... 46 ° (our tests result)	• 107 ° ... 34 ° (manufacturer data) • 102 ° ... 34 ° (our tests result)	• 105 ° ... 33 ° (manufacturer data) • 97 ° ... 33 ° (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)	96 ° ... 29 °	96 ° ... 29 °	• 90 ° ... 31 ° (manufacturer data) • 91 ° ... 35 ° (our tests result)
S/N ratio	...	...	≥ 50 dB	> 50 dB	> 50 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	...	> 65 dB	> 65 dB	...	...	35 dB
Country of origin	...	...	...	...	...	...	...	...	...	...	...	...	China	China	...
SAP Code	...	...	...	...	...	...	...	...	...	...	...	...	300611061	300611059	...
Video output	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - Via OSD, selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - 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	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 / 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	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	1 x AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω, BNC socket	1 x AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω, BNC socket	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 • 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	• 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	• Motozoom lens • WDR - 120 dB - Wide Dynamic Range • 2D-DNR / 3D-DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • D-ZOOM - Digital Zoom • Mirror - Mirror image • Auto White Balance	• 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 • 2D-DNR, 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 • F-DNR (Defog) - Reduction of image noise caused by precipitation • 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 • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Sharpness - sharper image outlines • Mirror - Mirror image	• Motozoom lens • 2D-DNR - Digital Noise Reduction • D-WDR - Wide Dynamic Range • 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 • 2D-DNR - Digital Noise Reduction • D-WDR - Wide Dynamic Range • 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	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control
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 DAHUA recorder	OSD menu available via DAHUA recorder	✔	✔	✔
Vandal-proof	✔	✔	✔	✔	✔	IK10	IK10	IK10	-	-	-	-			-
"Index of Protection"	IP66	IP66	IP66	IP66	IP66	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP20	IP66
Power supply	12 V DC / 400 mA	12 V DC / 400 mA	12 V DC / 450 mA	12 V DC / 450 mA	12 V DC / 450 mA	12 V DC / 460 mA	12 V DC / 660 mA	12 V DC / 580 mA	12 V DC / 550 mA	12 V DC / 650 mA	12 V DC / 660 mA	12 V DC / 800 mA	12 V DC / 520 mA	12 V DC / 370 mA	12 V DC / 420 mA
Power consumption	≤ 4.8 W	≤ 4.8 W	≤ 5.4 W	≤ 5.4 W	≤ 5.4 W	≤ 5.5 W	≤ 7.9 W	≤ 7 W	≤ 6.6 W	≤ 7.8 W	≤ 7.9 W	≤ 9.5 W	≤ 6.3 W	≤ 4.4 W	< 5 W
Housing	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome, Metal	Dome, Aluminum	Dome, Metal	Dome, Aluminum	Dome, Metal	Dome, Aluminum	Dome, Aluminum	Dome, Metal	Dome, Plastic	Dome, Metal
Color	Graphite	White	White	Graphite	White	White	White	White	White	White	White	White	White	White	Black
Operation temp	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 50 °C	-20 °C ... 50 °C	-20 °C ... 50 °C	-30 °C ... 60 °C	-40 °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	-40 °C ... 60 °C	-20 °C ... 60 °C
Weight	0.55 kg	0.58 kg	0.57 kg	0.56 kg	0.59 kg	0.44 kg	0.44 kg	0.47 kg	0.57 kg	0.58 kg	0.6 kg	0.61 kg	0.6 kg	0.41 kg	0.57 kg
Dimensions	Ø 120 x 100 mm	Ø 120 x 100 mm	Ø 120 x 83 mm	Ø 120 x 83 mm	Ø 120 x 83 mm	Ø 122 x 89 mm	Ø 122 x 89 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 111 mm	Ø 136 x 102 mm	Ø 119 x 98 mm
Supported languages	English	English	English, Portuguese, Russian, Italian	English	English	...	...	...	...	...	...	...	English	English	English
Manufacturer / Brand	APTI	APTI	APTI	APTI	APTI	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	Hikvision	BCS
Guarantee	2 years	2 years	2 years	2 years	2 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years

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