	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, PAL VANDALPROOF CAMERA HAC-HDBW1200RA-Z-2712-SE - 1080p 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW2241RA-Z-A-27135-S2-DIP - 1080p 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200T-Z-A-2712-S5 - 1080p 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200T-Z-A-2712-S6 - 1080p 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1231T-Z-A-2712 - 1080p 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2241T-Z-A-27135-S2-DIP - 1080p 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2241T-Z-Z-2712 - 1080p 2.7 ... 12 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, CVBS CAMERA DS-2CE56D8T-IT3ZF(2.7-13.5MM) - 1080p Hikvision
	45.97 EUR 45.97 EUR	44.42 EUR 44.42 EUR	112.26 EUR 112.26 EUR	202.31 EUR 202.31 EUR	125.06 EUR 125.06 EUR	112.26 EUR 112.26 EUR	144.85 EUR 144.85 EUR	199.66 EUR 199.66 EUR	104.29 EUR 104.29 EUR	149.68 EUR 149.68 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
Sensor	1/2.7 " CMOS	1/2.7 " CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS
Matrix size	5 Mpx	5 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
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	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 1280 x 720 - 720p 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL
Range of IR illumination	30 m	30 m	60 m	60 m	60 m	60 m	60 m	60 m	40 m	60 m
IR illuminator support	...	...	...	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	...
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 ... 12 mm	2.8 ... 12 mm	2.7 ... 12 mm - Motozoom - AutoFocus	2.7 ... 13.5 mm - Motozoom - AutoFocus	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 ... 12 mm - Motozoom	2.7 ... 13.5 mm - Motozoom	2.7 ... 12 mm - Motozoom The camera does not have auto-focus function	2.7 ... 13.5 mm - Motozoom
View angle	• 88 ° ... 31 ° (manufacturer data) • 93 ° ... 35 ° (our tests result)	• 88 ° ... 31 ° (manufacturer data) • 87 ° ... 34 ° (our tests result)	• 98 ° ... 28 ° (manufacturer data) • 90 ° ... 27 ° (our tests result)	108 ° ... 30 °	• 102 ° ... 33 ° (manufacturer data) • 96 ° ... 34 ° (our tests result)	98 ° ... 28 °	• 102 ° ... 32 ° (manufacturer data) • 99 ° ... 33 ° (our tests result)	• 108 ° ... 30 ° (manufacturer data) • 102 ° ... 31 ° (our tests result)	• 102 ° ... 33 ° (manufacturer data) • 100 ° ... 34 ° (our tests result)	• 103 ° ... 32 ° (manufacturer data) • 90 ° ... 32 ° (our tests result)
S/N ratio	...	...	> 65 dB	> 65 dB	> 65 dB	> 65 dB	...	> 65 dB	> 65 dB	...
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 - Audio support via coaxial cable - HD-CVI only	Microphone built-in - HD-CVI only	-	...
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	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	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS - 1 Vpp / 75 Ω	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / CVBS - selectable by switch
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	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • D-WDR - Wide Dynamic Range • 3D-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 • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • Day/night mode • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • Day/night mode • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • D-WDR - 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 • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • WDR - 130 dB - 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 • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Auto White Balance • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Mirror - Mirror image • Sharpness - sharper image outlines • Privacy zones - max. 8	• Motozoom lens - The control possible only from Dahua recorders in HD-CVI mode - The camera does not have auto-focus function • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Motozoom lens, AutoFocus • WDR ≥ 130 dB - Wide Dynamic Range • 2D-DNR, 3D-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/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Motion Detection - max. 4 zones • Privacy zones - max. 4 • 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 DAHUA recorder	OSD menu available via DAHUA recorder	✓
Power supply	12 V DC / 400 mA	12 V DC / 750 mA	12 V DC / 340 mA	12 V DC / 580 mA	12 V DC / 690 mA	12 V DC / 530 mA	12 V DC / 690 mA	12 V DC / 540 mA	12 V DC / 550 mA	12 V DC / 620 mA
Housing	Dome - Metal	Dome - Metal	Dome, Metal	Dome, Metal	Dome, Aluminum	Dome, Metal	Dome, Aluminum	Dome, Aluminum	Dome, Aluminum + Plastic	Dome, Metal
Country of origin	...	...	...	...	...	...	...	...	...	China
Power consumption	≤ 4.8 W	≤ 9 W	≤ 4.1 W	≤ 6.9 W	≤ 8.2 W	≤ 6.4 W	≤ 8.2 W	≤ 6.4 W	≤ 6.6 W	≤ 7.5 W
Color	Graphite	White	White	White	White	White	White	White	White	White
Vandal-proof	-	-	IK10	IK10	-	-	-	-	-	-
"Index of Protection"	IP66	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
SAP Code	...	...	...	...	...	...	...	...	...	300612856
Operation temp	-20 °C ... 60 °C	-20 °C ... 60 °C	-30 °C ... 60 °C	-30 °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
Weight	0.55 kg	0.55 kg	0.6 kg	0.64 kg	0.59 kg	0.59 kg	0.59 kg	0.6 kg	0.38 kg	0.59 kg
Dimensions	Ø 120 x 100 mm	Ø 120 x 100 mm	Ø 126 x 100 mm	Ø 126 x 100 mm	Ø 122 x 105 mm	Ø 122 x 105 mm	Ø 122 x 104 mm	Ø 122 x 105 mm	Ø 122 x 107 mm	134 x 111 mm
Supported languages	Polish, English, French, Spanish, Portuguese, Russian, Italian	English, Portuguese, Russian, Italian	...	...	...	...	...	...	...	English
Manufacturer / Brand	APTI	APTI	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision
Guarantee	2 years	2 years	3 years	5 years	3 years	3 years	3 years	5 years	3 years	3 years