

	AHD-HD-CVI-HD-TVI CAMERA APTI-H50V2-28V, 1.2Mpx / 2.8Mpx x 2.8 mm	AHD-HD-CVI-HD-TVI CAMERA APTI, H50V21-28V x 2.8Mpx / 2.8mm 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1297T-A, LED-3000S-S2, Full-Cover, 1.080p 2.8 mm DAHUA
Standard	30.00 EUR 30.00 EUR	35.38 EUR 35.38 EUR	53.50 EUR 53.50 EUR	117.30 EUR 117.30 EUR	150.23 EUR 150.23 EUR	171.38 EUR 171.38 EUR	61.29 EUR 61.29 EUR	88.45 EUR 88.45 EUR	177.87 EUR 177.87 EUR	77.88 EUR 77.88 EUR	112.25 EUR 112.25 EUR	171.38 EUR 171.38 EUR	180.75 EUR 180.75 EUR	171.38 EUR 171.38 EUR	180.75 EUR 180.75 EUR
Sensor	AHD, HD-CVI, HD-TVI 1/3" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI 1/3" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.8" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.8" CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.8" CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.8" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.7" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.7" Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS Progressive Scan CMOS	AHD, HD-CVI, HD-TVI, CVBS 1/2.7" Progressive Scan CMOS
Matrix size	5 Mpx	5 Mpx	2.1 Mpx	5 Mpx	5 Mpx	5 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	5 Mpx	5 Mpx	8.3 Mpx	5 Mpx	8.3 Mpx	5 Mpx
Resolution	• 2592 x 1944 - 5 Mpx - AHD / HD-TVI • 2560 x 1440 - 3.7 Mpx @ AHD / HD-CVI / HD-TVI • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI	• 2592 x 1944 - 5 Mpx - AHD / HD-TVI • 2560 x 1440 - 3.7 Mpx @ AHD / HD-CVI / HD-TVI • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI	1920 x 1080 - 1080p , 960 x 576 - 960H, CVBS	• 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps, • 960 x 576 - 960H @ PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ AHD / HD-CVI / HD-TVI @ 20 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ AHD / HD-CVI / HD-TVI @ 20 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ AHD / HD-CVI / HD-TVI @ 20 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL	• 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps, • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps, • 960 x 576 - 960H @ PAL
Lens	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm	3.6 mm	3.6 mm	2.7 ... 13.5 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm
Range of IR illumination					40 m	40 m	20 m	20 m		20 m	20 m	40 m	40 m	40 m	40 m
View angle	• 91° (manufacturer data) • 92° (our tests result)	91°	• 107° (manufacturer data) • 101° (our tests result)	• 112° (manufacturer data) • 106° (our tests result)	• 111° (manufacturer data) • 107° (our tests result)	• 106° (manufacturer data) • 101° (our tests result)	• 83° (manufacturer data) • 82° (our tests result)	• 86° (manufacturer data) • 82° (our tests result)	• 107° ... 35 (manufacturer data) • 105° ... 35 (our tests result)	• 92° (manufacturer data) • 82° (our tests result)	• 83° (manufacturer data) • 80° (our tests result)	• 85° (manufacturer data) • 81° (our tests result)	• 89° (manufacturer data) • 84° (our tests result)	• 89° (manufacturer data) • 84° (our tests result)	• 89° (manufacturer data) • 84° (our tests result)
White light LED illuminator range	25 m	25 m	40 m	40 m	40 m	40 m	20 m	40 m	60 m	20 m	20 m	40 m	40 m	40 m	40 m
Video output	AHD / HD-CVI / HD-TVI, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI, 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	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
Audio	—	—	• 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 • Audio support via coaxial cable 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, • Audio support via coaxial cable 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, • Audio support via coaxial cable 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, • Audio support via coaxial cable HD-CVI only	• Microphone built-in • Audio support via coaxial cable HD-CVI only • Speaker built-in / Alarm siren
Alarm inputs / outputs															9/1
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	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
Main features	• Possibility to turn off the LED illuminator • Automatic LED light intensity adjustment • D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • AGC - Automatic Gain Control • Auto White Balance • Motion Detection • Configurable Privacy Zones • Mirror - Mirror image	• Possibility to turn off the LED illuminator • Automatic LED light intensity adjustment • D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • AGC - Automatic Gain Control • Auto White Balance • Motion Detection • Configurable Privacy Zones • Mirror - Mirror image	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • D-ZOOM - Digital Zoom : x4 • 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	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • D-ZOOM - Digital Zoom : x4 • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • D-ZOOM - Digital Zoom : x4 • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines	• Possibility to turn off the LED illuminator • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • 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	• Active difference function ; alternately flashing LEDs: red and blue - frequency configuration, Siren sound - 3 volume levels • Possibility to turn off the LED illuminator • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • D-ZOOM - Digital Zoom : x4 • Auto White Balance • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Sharpness - sharper image outlines
Index of Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Power supply	12 V DC / 270 mA	12 V DC / 250 mA	12 V DC / 350 mA	12 V DC / 540 mA	12 V DC / 480 mA	12 V DC / 570 mA	12 V DC / 220 mA	12 V DC / 350 mA	12 V DC / 850 mA	12 V DC / 380 mA	12 V DC / 420 mA	12 V DC / 580 mA	12 V DC / 870 mA	12 V DC / 580 mA	12 V DC / 870 mA
Power consumption	≤ 3.2 W	≤ 3 W	≤ 5.1 W	≤ 6.4 W	≤ 5.7 W	≤ 6.5 W	≤ 2.5 W	≤ 4.2 W	≤ 10.2 W	≤ 5 W	≤ 6.4 W	≤ 9.4 W	≤ 10.5 W	≤ 9.4 W	≤ 10.5 W
Housing	Dome, Aluminum + Plastic		Dome, Aluminum	Dome, Metal	Dome, Metal	Dome, Metal	Compact, Plastic	Dome, Metal + Plastic	Compact, Metal	Compact, Plastic + Metal	Compact, Metal + Plastic	Compact, Metal + Plastic	Compact, Metal + Plastic	Compact, Metal + Plastic	Compact, Plastic + Metal
Vandal-proof	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Color	White	White	White	White	White	White + Black	White + Black	White + Black	White + Black	White + Black	White + Black	White + Black	White + Black	White + Black	White + Black
Operation temp.	-20 °C ... 60 °C	-20 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.36 kg	0.42 kg	0.45 kg	0.5 kg	0.49 kg	0.18 kg	0.29 kg	0.79 kg	0.18 kg	0.3 kg	0.33 kg	0.49 kg	0.49 kg	0.49 kg	0.49 kg
Dimensions	Ø 109 x 93 mm	Ø 97 x 91 mm	Ø 106 x 94 mm	Ø 106 x 94 mm	Ø 106 x 94 mm	163 x 70 x 70 mm	198 x 80 x 76 mm	244 x 91 x 91 mm	163 x 70 x 70 mm	198 x 80 x 76 mm	241 x 91 x 91 mm	198 x 80 x 76 mm	241 x 91 x 91 mm	198 x 80 x 76 mm	241 x 91 x 91 mm
Manufacturer / Brand	APTI	APTI	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA
Guarantee	2 years	2 years	3 years	3 years	3 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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