

	AHD-HD-CVI-HD-TVI CAMERA APTI-H50V2-280V 1.2Mpx / 5Mpx 2.8 mm	AHD-HD-CVI-HD-TVI CAMERA APTI H50V21-2Mpx / 5Mpx 2.8 mm	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HDW1239T-A LED-02608-S2 Full Color - 1080p 3.6 mm DAHUA	AHD-HD-CVI-HD-TVI PAL CAMERA HAC-HDW1500T-CL-IL A-02608-S2 5 Mpx 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HDW1509T-A LED-02608-S2 Full Color - 5 Mpx 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HDW1509T-IL A-02608-S2 Full Color - 5 Mpx 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HDW1809T-A LED-02608-S2 Full Color - 5 Mpx 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HDW1200T-CL-IL A-02608-S2 - 1080p 3.6 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1239TLM-A LED-027135-S2 Full Color - 1080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1239TLM-A LED-027135-S2 Full Color - 1080p 2.8 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1500T-IL A-02608-S2 - 5 Mpx 1.6 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1509TLM-A LED-02608-S2 Full Color - 5 Mpx 3.6 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-HFW1809TLM-A LED-02608-S2 Full Color - 5 Mpx 3.6 mm DAHUA	AHD-HD-CVI-HD-TVI CVBS CAMERA HAC-ME1509TH-A TV-02608-S2 Full Color - 5 Mpx 3.6 mm DAHUA
														
Standard	30.00 EUR 30.00 EUR	35.38 EUR 35.38 EUR	63.50 EUR 63.50 EUR	77.88 EUR 77.88 EUR	117.30 EUR 117.30 EUR	156.23 EUR 156.23 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
AHD-HD-CVI-HD-TVI	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 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
Sensor	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/2.8 " Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.8 " CMOS	1/2.8 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	AHD-HD-CVI-HD-TVI CVBS	Progressive Scan CMOS
Matrix size	5 Mpx	5 Mpx	2.1 Mpx	5 Mpx	5 Mpx	5 Mpx	8.3 Mpx, 4K UHD	2.1 Mpx	2.1 Mpx	2.1 Mpx	5 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	1820 x 1080 - 1080p 960 x 576 - 960H, CVBS	2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 2560 x 1440 - 3.7 Mpx @ HD-CVI / HD-TVI @ 25 fps 1920 x 1080 - 1080p @ HD-CVI @ 25 fps • 1920 x 1080 - 1080p @ HD-CVI @ 25 fps • 960 x 576 - 960H @ PAL @ 25 fps	• 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 @ AHD / HD-CVI / HD-TVI @ 25 fps • 960 x 576 - 960H @ PAL	• 3840 x 2160 - 8.3 Mpx @ AHD / HD-CVI / HD-TVI @ 15 fps • 2880 x 1620 - 5 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps • 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	• 2592 x 1944 - 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 @ AHD / HD-CVI / HD-TVI @ 25 fps • 960 x 576 - 960H @ PAL	• 2592 x 1944 - 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	• 3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI @ 15 fps • 2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 • 2560 x 1440 - 3.7 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 - 3.7 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	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
View angle	• 91° (manufacturer data) • 92° (our tests result)	• 91° (manufacturer data) • 92° (our tests result)	• 107° (manufacturer data) • 101° (our tests result)	• 106° (manufacturer data) • 100° (our tests result)	• 112° (manufacturer data) • 107° (our tests result)	• 111° (manufacturer data) • 106° (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° - 34° (manufacturer data) • 105° - 35° (our tests result)	• 92° (manufacturer data) • 86° (our tests result)	• 83° (manufacturer data) • 80° (our tests result)	• 85° (manufacturer data) • 81° (our tests result)	• 89° (manufacturer data) • 84° (our tests result)
Range of IR illumination	20 m	20 m	20 m	20 m	40 m	40 m	40 m	20 m	40 m	60 m	20 m	40 m	40 m	40 m
White light LED illuminator	25 m	25 m	40 m	20 m	40 m	40 m	40 m	20 m	40 m	60 m	20 m	40 m	40 m	40 m
IR illuminator power adjustment				Automatic										
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
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
Alarm inputs / outputs														
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
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 • Sharpness - sharper image outlines • 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 • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Mirror - Mirror image • Motion Detection	• 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 • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Mirror - Mirror image • Privacy zones - max. 8 • Motion Detection	• Smart Dual Illumination technology - IR or LED illuminator works in night mode. White light will turn on automatically only when an object is detected in the monitored area, which effectively improves image quality • 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 • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Privacy zones - max. 8 • Sharpness - sharper image outlines • 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 • BLC/HLC - Back Light / High Light Compensation • 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 • BLC/HLC - Back Light / High Light Compensation • 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	• Smart Dual Illumination technology - IR or LED illuminator works in night mode. White light will turn on automatically only when an object is detected in the monitored area, which effectively improves image quality • 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 • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Privacy zones - max. 8 • Sharpness - sharper image outlines • 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	• Smart Dual Illumination technology - IR or LED illuminator works in night mode. White light will turn on automatically only when an object is detected in the monitored area, which effectively improves image quality • 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 • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Privacy zones - max. 8 • Sharpness - sharper image outlines • 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 • F-DNR (Defog) - Reduction of image noise caused by precipitation • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • Auto White Balance • Privacy zones - max. 8 • Sharpness - sharper image outlines • Sharpness - sharper image outlines	• Active deterrence 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 • BLC/HLC - Back Light / High Light Compensation • F-DNR (Defog) - Reduction of image noise caused by precipitation • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • Auto White Balance • Privacy zones - max. 8 • Sharpness - sharper image outlines • Sharpness - sharper image outlines
Index of Protection	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 / 380 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
Power consumption	≤ 3.2 W	≤ 3 W	≤ 5.1 W	≤ 4.5 W	≤ 6.4 W	≤ 5.7 W	≤ 6.9 W	≤ 2.6 W	≤ 4.2 W	≤ 10.2 W	≤ 4.5 W	≤ 5 W	≤ 6.9 W	≤ 10.5 W
Housing	Dome, Aluminum + Plastic	Dome, Metal	Dome, Aluminum	Dome, Plastic	Dome, Metal	Dome, Metal	Dome, Metal	Compact, Plastic	Dome, Metal + Plastic	Compact, Metal	Compact, Plastic	Compact, Plastic + Metal	Compact, Metal + Plastic	Compact, Plastic + Metal
Vandal-proof	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Color	White	White	White	White	White	White	White + Black	White + Black	White + Black	White	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	-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	0.21 kg	0.46 kg	0.5 kg	0.49 kg	0.18 kg	0.29 kg	0.76 kg	0.18 kg	0.33 kg	0.53 kg	0.46 kg
Dimensions	Ø 109 x 93 mm	Ø 97 x 91 mm	Ø 106 x 94 mm	Ø 97 x 94 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	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
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

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00