

	AHD-HD-CVI-HD-TVI-PAL CAMERA APTI HBCS1-2612W - 8.3 Mpx, 4K UHD 2.8 ... 12 mm	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW1200R-Z- IR66-A-2712 - 1080p 2.7 ... 12 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW1500R-Z-IR66- A-2712-S2 - 5 Mpx 2.7 ... 12 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW1801R-Z A-2712-S2 - 8.3 Mpx 4K UHD 2.7 ... 13.5 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW1801R-Z Z-IR66-A-3 Mpx 2.7 ... 13.5 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW2411U-Z A-2712-S2-DF - 1080p 2.7 ... 13.5 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA HAC-HFW2450U-Z A-2712-S2 - 5 Mpx 2.7 ... 13.5 mm - MOTIZOOM DAHUA	AHD-HD-CVI-HD-TVI-PAL CAMERA RS-2CE16DBT ATT272-7-13 5MM - 5 Mpx 2.7 ... 13.5 mm - MOTIZOOM Hikvision	AHD-HD-CVI-HD-TVI-PAL CAMERA RS-2CE198BT ATT272-7-13 5MM - 5 Mpx 2.7 ... 13.5 mm - MOTIZOOM Hikvision	AHD-HD-CVI-HD-TVI-PAL CAMERA RCS-T44YR6-G- 1080p 2.7 ... 12 mm - MOTIZOOM
										
	79.77 EUR 79.77 EUR	123.56 EUR 123.56 EUR	143.03 EUR 143.03 EUR	212.53 EUR 212.53 EUR	211.34 EUR 211.34 EUR	205.38 EUR 205.38 EUR	230.18 EUR 230.18 EUR	161.49 EUR 161.49 EUR	188.46 EUR 188.46 EUR	80.86 EUR 80.86 EUR
Standard	AHD, HD-CVI, HD-TVI, PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD, HD-CVI, HD-TVI, PAL	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD / HD-CVI / HD-TVI / PAL CVBS	AHD, HD-CVI, HD-TVI, CVBS
Sensor	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	Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Matrix size	8.3 Mpx	2.1 Mpx	5 Mpx	8.3 Mpx 4K UHD	8.3 Mpx 4K UHD	2.1 Mpx	5 Mpx	2.1 Mpx	5 Mpx	2.1 Mpx
Resolution	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD- TVI, 15 fps • 2592 x 1444 - 5 Mpx @ AHD / HD-TVI, 20 fps / 12.5 fps • 2592 x 1444 - 5 Mpx @ HD- CVI, 20 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	1920 x 1080 - 1080p, 1280 x 720 - 720p • 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 @ 15 fps, 2880 x 1620 - 5 Mpx @ 25 fps • 2592 x 1444 - 5 Mpx @ 20 fps, 2560 x 1440 - 4 Mpx @ 25 fps • 960 x 576 - 960H, PAL	3840 x 2160 - 8.3 Mpx, 4K UHD @ 15 fps, 2592 x 1444 - 5 Mpx @ 20 fps, 2560 x 1440 - 4 Mpx @ 25 fps • 960 x 576 - 960H, PAL	1920 x 1080 - 1080p, 960 x 576 - 960H, PAL	2880 x 1620 - 5 Mpx HD-CVI only, 2560 x 1440 - 4 Mpx • 1920 x 1080 - 1080p HD-CVI only • 960 x 576 - 960H, PAL	• 2560 x 1444 - 5 Mpx @ AHD / HD-TVI 20 fps, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps • 1920 x 1080 - 1080p @ HD-TVI @ 25 fps • 960 x 576 - 960H @ PAL	• 2560 x 1444 - 5 Mpx @ AHD / HD-TVI 20 fps, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps • 1920 x 1080 - 1080p @ HD-TVI @ 25 fps • 960 x 576 - 960H @ PAL	1920 x 1080 - 1080p, 1280 x 720 - 720p, • 960 x 576 - 960H, PAL
Range of IR illumination	80 m	80 m	80 m	80 m	80 m	80 m	80 m	80 m	80 m	80 m
Lens	2.8 ... 12 mm	2.7 ... 12 mm - Motizoom	2.7 ... 12 mm - Motizoom	2.7 ... 13.5 mm - Motizoom, AutoFocus	2.7 ... 13.5 mm - Motizoom, AutoFocus	2.7 ... 13.5 mm - Motizoom	2.7 ... 13.5 mm - Motizoom	2.7 ... 13.5 mm - Motizoom	2.7 ... 13.5 mm - Motizoom, AutoFocus	2.7 ... 12 mm - Motizoom, AutoFocus
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
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	Microphone built-in - HD-CVI only	—	• Microphone built-in - HD-CVI only	—	• Microphone built-in - HD- CVI only
View angle	• 87° ... 24° (manufacturer data) • 84° ... 33° (our tests result)	• 102° ... 33° (manufacturer data) • 95° ... 34° (our tests result)	• 107° ... 34° (manufacturer data) • 102° ... 35° @ HD-CVI (our tests result) • 90° ... 31° @ AHD / HD-CVI (our tests result)	114° ... 32°	• 105° ... 33° (manufacturer data) • 101° ... 33° (our tests result)	108° ... 30°	• 113° ... 31° (manufacturer data) • 110° ... 32° (our tests result)	• 103° ... 32° (manufacturer data) • 90° ... 32° (our tests result)	• 92° ... 29° (manufacturer data) • 98° ... 29° (our tests result)	• 102° ... 33° (manufacturer data) • 95° ... 34° (our tests result)
SN ratio	≥ 50 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB	≥ 65 dB
Video output	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - 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	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω
Main features	• WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/Night mode configurable • Sharpness - sharper image outlines	• Motizoom lens - The camera does not have auto-focus function • D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • Auto-Flicker - The technology eliminates the tiring eyes flickering image effect • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Motion Detection • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• Motizoom lens - The camera does not have auto-focus function • D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • D-ZOOM - Digital Zoom : 4x • Auto White Balance • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Configurable Privacy Zones • Mirror - Mirror image • Sharpness - sharper image outlines	• Motizoom 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 • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • D-ZOOM - Digital Zoom : 4x • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • ICR - Movable InfraRed filter • Motion Detection • Privacy Zones • Mirror - Mirror image • Sharpness - sharper image outlines	• Motizoom 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 • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • D-ZOOM - Digital Zoom : 4x • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • ICR - Movable InfraRed filter • Motion Detection • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines	• Motizoom lens - AutoFocus • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC/HLC-Pro - Back Light / High Light Compensation • AGC - Automatic Gain Control • Auto White Balance • F-DNR (Defog) - Reduction of image noise caused by precipitation • Mirror - Mirror image • Sharpness - sharper image outlines • D-ZOOM - Digital Zoom : 4 x	• Motizoom lens • WDR - 130 dB - Wide Dynamic Range • 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 • Sense-UP - increase the camera sensitivity x16 • BLC - Back Light Compensation • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Day/Night mode • HLC - High Light Compensation (spot) • Motion Detection - max. 4 zones • Privacy zones - max. 4 • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Mirror - Mirror image • Sharpness - sharper image outlines	• Motizoom lens • WDR - 130 dB - Wide Dynamic Range • 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 - Back 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	• Motizoom lens - 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 • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Motion Detection • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines	
OSD menu	✓	✓	✓	✓	✓	OSD menu available via DAHUA recorder	✓	✓	✓	✓
Power supply	12 V DC / 590 mA	12 V DC / 1.01 A	12 V DC / 820 mA	12 V DC / 890 mA	12 V DC / 920 mA	12 V DC / 790 mA	12 V DC / 890 mA	• 12 V DC ± 20 % / 870 mA, • 24 V AC ± 20 % / 435 mA	• 12 V DC ± 20 % / 870 mA, • 24 V AC ± 20 % / 435 mA	12 V DC / 1 A
Power consumption	≤ 7.1 W	≤ 12.1 W	≤ 9.8 W	≤ 10.6 W	≤ 11 W	≤ 9.4 W	≤ 10.7 W	≤ 9 W	≤ 10.5 W	≤ 12 W
SAP Code	Compact - Metal	Compact, Metal	Compact, Metal	Compact, Metal	Compact, Metal	Compact, Aluminum	Compact, Aluminum	060510478	Compact, Metal + Plastic	Compact, Metal
Color	White	White	White	White + Black	White + Black	White	White + Black	White + Black	White + Black	Dark graphite
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP66
Operation temp	-20 °C ... 50 °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	-40 °C ... 60 °C	-30 °C ... 60 °C
Weight	0.66 kg	0.54 kg	0.55 kg	0.57 kg	0.55 kg	0.78 kg	0.78 kg	0.92 kg	0.94 kg	0.58 kg
Dimensions	211 x 90 x 90 mm	210 x 90 x 90 mm	210 x 90 x 90 mm	210 x 90 x 90 mm	210 x 90 x 90 mm	244 x 90 x 90 mm	244 x 90 x 90 mm	270 x 85 x 92 mm	255 x 85 x 92 mm	210 x 90 x 90 mm
Supported languages	English, Spanish, Portuguese	—	—	—	—	—	—	Hikvision	Hikvision	RCS
Manufacturer / Brand	APTI	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	Hikvision	RCS
Guarantee	2 years	3 years	3 years	3 years	3 years	5 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