

	AHD, HD-CVI, HD-TVI CAMERA APTI H50C-1-201W-2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI CAMERA APTI H50C-1-201W-2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI CAMERA APTI H50C-1-201W-2Mpx / 5Mpx 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI H52C-1-201W-2.8 Mpx 4K UHD 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI H50C-1-201W-2.8 Mpx 4K UHD 2.8 ... 12 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500R-Z-IR66 A-27135-S2 - 5 Mpx 2.7 ... 14 mm ... MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1801R-Z A-27135-S2 - 8.3 Mpx 4K UHD 2.7 ... 13.5 mm ... MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1801R-Z Z180R-A - 8.3 Mpx 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW2501R-Z A-27135-S2 - 5 Mpx 2.7 ... 13.5 mm - MOTOZOOM DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-CE1881FL ATT2472-7.13-53M - 5 Mpx 2.7 ... 13.5 mm - MOTOZOOM HIKVISION	AHD, HD-CVI, HD-TVI, PAL CAMERA RCS-B 0743112H1 - 5 Mpx 3.3 ... 12 mm RCS BASIC	
												
Standard	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI, PAL	AHD, HD-CVI, HD-TVI, PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	
Sensor	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.8" SONY Starvis® Back illuminated CMOS	1/2.7" Progressive Scan CMOS	Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	
Matrix size	5 Mpx	5 Mpx	5 Mpx	8.3 Mpx	8.3 Mpx	5 Mpx	8.3 Mpx 4K UHD	8.3 Mpx 4K UHD	8.3 Mpx 4K UHD	5 Mpx	5 Mpx	
Resolution	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	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	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	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	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	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	2880 x 1620 - 5 Mpx @ HD-CVI 15 fps: Aspect Ratio 16 : 9 / 2560 x 1440 - 4 Mpx @ AHD / HD-TVI / HD-CVI - 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 1944 - 5 Mpx @ 20 fps / 2560 x 1440 - 4 Mpx @ 25 fps / 1920 x 1080 - 1080p @ 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 1944 - 5 Mpx @ 20 fps / 2560 x 1440 - 4 Mpx @ 25 fps / 1920 x 1080 - 1080p @ 25 fps / 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 1944 - 5 Mpx @ AHD / HD-TVI 20 fps, AHD, HD-TVI / 2560 x 1440 - 4 Mpx @ 20 fps, AHD, HD-TVI / 2560 x 1440 - 3.7 Mpx @ 25 fps, HD-CVI / 960 x 576 - 960H, PAL	2560 x 1944 - 5 Mpx @ 20 fps, AHD, HD-TVI / 2560 x 1440 - 3.7 Mpx @ 25 fps, HD-CVI / 960 x 576 - 960H, PAL
Range of IR illumination	40 m	40 m	60 m	60 m	60 m	60 m	60 m	60 m	60 m	60 m	40 m	
Lens	2.8 ... 12 mm	2.8 ... 12 mm	2.8 ... 12 mm	2.8 ... 12 mm	2.8 ... 12 mm	2.7 ... 13.5 mm - Motozoom, AutoFocus	2.7 ... 13.5 mm - Motozoom, AutoFocus	2.7 ... 13.5 mm - Motozoom, AutoFocus	2.7 ... 13.5 mm - Motozoom	2.7 ... 13.5 mm - Motozoom, AutoFocus	3.3 ... 12 mm, F1.2	
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	
Vandal-proof	...	...	...	...	...	...	...	...	...	...	...	
Audio	...	...	...	...	...	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	...	...	
View angle	• 89 ° ... 27 ° (manufacturer data) • 80 ° ... 34 ° (our tests result)	• 95 ° ... 29 ° (manufacturer data) • 100 ° ... 37 ° (our tests result)	• 95 ° ... 30 ° (manufacturer data) • 100 ° ... 33 ° (our tests result)	• 92 ° ... 27 ° (manufacturer data) • 87 ° ... 33 ° (our tests result)	• 87 ° ... 33 ° (our tests result) • 84 ° ... 33 ° (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)	• 113 ° ... 31 ° (manufacturer data) • 110 ° ... 32 ° (our tests result)	• 92 ° ... 29 ° (manufacturer data) • 98 ° ... 29 ° (our tests result)	• 120 ° ... 38 ° (manufacturer data) • 86 ° ... 33 ° (our tests result)	
S/N ratio	> 50 dB	> 50 dB	> 50 dB	> 50 dB	> 50 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	
Video output	1 Vpp 75 Ω AHD / HD-CVI / HD-TVI - selectable by switch	1 Vpp 75 Ω AHD / HD-CVI / HD-TVI - selectable by switch	1 Vpp 75 Ω AHD / HD-CVI / HD-TVI - Via OSD, 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 - 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	
Main features	• 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 • 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	• 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	• Motozoom lens - The camera does not have auto-focus function • D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • Anti-Flicker - The technology eliminates the tiring eyes flickering image effect • HLC - High Light Compensation (spot) • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• Motozoom lens - AutoFocus • WDR - 120 dB - Wide Dynamic Range • 3D-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 • Auto White Balance • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Configurable Privacy Zones • Mirror - Mirror image • Sharpness - sharper image outlines	• Motozoom lens, AutoFocus • WDR - 120 dB - Wide Dynamic Range • 3D-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 • Configurable Privacy Zones • Auto White Balance • ICR - Movable InfraRed filter • F-DNR (Defog) - Reduction of image noise caused by precipitation • Mirror - Mirror image • Sharpness - sharper image outlines • D-ZOOM - Digital Zoom : 4 x	• Motozoom 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 (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Motion Detection - max. 4 zones • Privacy zones - max. 4 • Mirror - Mirror image • Sharpness - sharper image outlines	• Motozoom 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 (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Motion Detection - max. 4 zones • Privacy zones - max. 4 • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Day/Night mode • OSD menu available via BCS-XVR recorder	
OSD menu	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Power supply	12 V DC / 410 mA	12 V DC / 360 mA	12 V DC / 410 mA	12 V DC / 420 mA	12 V DC / 590 mA	12 V DC / 820 mA	12 V DC / 890 mA	12 V DC / 920 mA	12 V DC / 890 mA	12 V DC ± 20 % / 870 mA, 24 V AC ± 20 % / 435 mA	12 V DC / 420 mA	
Power consumption	≤ 4.9 W	≤ 4.3 W	≤ 4.9 W	≤ 5 W	≤ 7.1 W	≤ 9.8 W	≤ 10.6 W	≤ 11 W	≤ 10.7 W	≤ 10.5 W	< 5 W	
SAP Code										300510476		
Housing	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal	Compact - Metal	Compact, Metal	Compact, Metal	Compact, Metal	Compact, Aluminum	Compact, Metal + Plastic	Compact, Metal	
Color	Graphite	White	White	White	White	White	White + Black	White + Black	White + Black	White + Black	Dark graphite	
"Index of Protection"	IP67	IP67	IP66	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP66	
Operation temp.	-20 °C ... 60 °C	-20 °C ... 50 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 50 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 60 °C	-20 °C ... 60 °C	
Weight	0.67 kg	0.68 kg	0.68 kg	0.68 kg	0.67 kg	0.55 kg	0.55 kg	0.78 kg	0.78 kg	0.94 kg	0.86 kg	
Dimensions	210 x 88 x 84 mm	210 x 88 x 84 mm	210 x 88 x 84 mm	210 x 88 x 84 mm	211 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	255 x 85 x 92 mm	277 x 81 x 83 mm	
Supported languages	English	English, Portuguese, Russian, Italian	Polish, English, French, Spanish, Portuguese, Russian, Italian	Polish, English	English, Spanish, Portuguese	...	...	...	...	...	English	
Manufacturer / Brand	APTI	APTI	APTI	APTI	APTI	DAHUA	DAHUA	DAHUA	DAHUA	HIKVISION	BOSCH BASIC	
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	3 years	3 years	3 years	3 years	3 years	

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