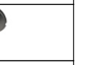
	AHD, HD-CVI, HD-TVI CAMERA APTI-H50C2-36W 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50C21-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50C21-36W 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50PC2-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50PC21-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H52C21-36W - 8.3 Mpx, 4K UHD 3.6 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-B1A51-0360B 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500C-0280B-S2 - 5 Mpx 2.8 mm DAHUA
	36.39 EUR 36.39 EUR	28.34 EUR 28.34 EUR	27.20 EUR 27.20 EUR	26.43 EUR 26.43 EUR	24.90 EUR 24.90 EUR	32.56 EUR 32.56 EUR	74.21 EUR 74.21 EUR	58.17 EUR 58.17 EUR
Standard	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI	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, CVBS
Sensor	1/2.7 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/2.5 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " CMOS
Matrix size	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	8.3 Mpx	5 Mpx	5 Mpx
S/N ratio	...	...	...	...	...	...	> 65 dB	...
White light LED illuminator range	...	...	...	...	...	...	...	...
Alarm inputs / outputs	...	...	...	...	...	...	...	...
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 • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps	• 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps / 12.5 fps, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25, 30 fps, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25, 30 fps	• 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps / 12.5 fps, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25, 30 fps, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25, 30 fps	• 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, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps	• 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, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps	3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI, 15 fps , 3840 x 2160 - 8.3 Mpx, 4K UHD @ HD-CVI / HD-TVI, 12.5 fps , 2592 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI, 30 fps, 25 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI, 15 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI, 30 fps, 25 fps , 960 x 576 - 960H @ CVBS	• HD-CVI : 2880 x 1620 - 4.7 Mpx , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p ; • AHD / HD-TVI : 2560 x 1440 - 3.7 Mpx • CVBS : 960 x 576 - 960H	2880 x 1620 - 5 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p - HD-CVI only 960 x 576 - 960H
Lens	3.6 mm	2.8 mm	3.6 mm	2.8 mm	2.8 mm	3.6 mm	3.6 mm	2.8 mm
View angle	• 83 ° (manufacturer data) • 71 ° (our tests result)	• 95 ° (manufacturer data) • 86 ° (our tests result)	• 77 ° (manufacturer data) • 70 ° (our tests result)	• 95 ° (manufacturer data) • 103 ° (our tests result)	• 95 ° (manufacturer data) • 83 ° (our tests result)	• 77 ° (manufacturer data) • 83 ° (our tests result)	• 88 ° (manufacturer data) • 76 ° (our tests result)	• 111 ° (manufacturer data) • 106 ° (our tests result)
Range of IR illumination	25 m	30 m	30 m	20 m	20 m	25 m	20 m	30 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
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	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 / PAL - selectable by switch, Via OSD	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω
Audio	...	–	–	...	...	–	...	...
OSD menu	✓	✓	✓	✓	✓	✓	OSD menu available via DAHUA recorder	✓
SAP Code	...	...	...	...	...	...	...	...
Vandal-proof	...	...	...	...	...	...	...	...
Main features	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • ICR - Movable InfraRed filter • DNR - Digital Noise Reduction • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • ICR - Movable InfraRed filter • DNR - Digital Noise Reduction • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • ICR - Movable InfraRed filter • DNR - Digital Noise Reduction • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Mirror - Mirror image • AGC - Automatic Gain Control • Auto White Balance • Privacy zones - max. 8 • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance
Power supply	12 V DC / 400 mA	12 V DC / 220 mA	12 V DC / 220 mA	12 V DC / 300 mA	12 V DC / 220 mA	12 V DC / 220 mA	12 V DC / 310 mA	12 V DC / 310 mA
Power consumption	≤ 4.8 W	≤ 2.6 W	≤ 2.6 W	≤ 3.6 W	≤ 2.6 W	≤ 2.7 W	≤ 3.7 W	≤ 3.7 W
Housing	Compact - Aluminum	Compact - Aluminum	Compact - Aluminum	Compact - Plastic	Compact - Plastic	Compact - Metal Plastic	Compact, Plastic	Compact, Plastic
Color	White	White	White	White + Black	White	White	White + Black	White
"Index of Protection"	IP66	IP67	IP67	IP66	IP66	IP67	IP67	IP67
Operation temp	-10 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 50 °C	-40 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.3 kg	0.39 kg	0.39 kg	0.16 kg	0.19 kg	0.24 kg	0.15 kg	0.18 kg
Dimensions	157 x 66 x 68 mm	172 x 73 x 73 mm	172 x 73 x 73 mm	162 x 70 x 70 mm	174 x 70 x 68 mm	178 x 72 x 72 mm	149 x 70 x 70 mm	Ø 70 x 161 mm
Supported languages	English	Polish, English, French, Spanish, Portuguese, Russian, Italian	Polish, English, French, Spanish, Portuguese, Russian, Italian	Polish, English, French, Spanish, Portuguese, Russian, Italian	Polish, English	Polish, English	...	...
Manufacturer / Brand	APTI	APTI	APTI	APTI	APTI	APTI	DAHUA	DAHUA
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	3 years	3 years

	AHD, HD-CVI, HD-TVI, CVBS CAMERA HAC-HFW1500CL-IL-A-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500CM-IL-A-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500D-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500T-A-0280B-S2 - 4.7 Mpx 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500TH-I8-0360B-S2 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500TL-A-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1500TLM-IL-A-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1800T-A-0280B - 8.3 Mpx 2.8 mm DAHUA
	77.56 EUR 77.56 EUR	90.01 EUR 90.01 EUR	94.32 EUR 94.32 EUR	80.92 EUR 80.92 EUR	80.92 EUR 80.92 EUR	84.51 EUR 84.51 EUR	92.89 EUR 92.89 EUR	103.18 EUR 103.18 EUR
Standard	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	Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " CMOS
Matrix size	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	8.3 Mpx
S/N ratio	...	...	...	> 65 dB	...	...	...	...
White light LED illuminator range	20 m	20 m	...	...	...	...	40 m	...
Alarm inputs / outputs	...	...	...	...	...	...	...	...
Resolution	• 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 - 3.7 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps 1920 x 1080 - 1080p @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	2880 x 1620 - 5 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p - HD-CVI only 960 x 576 - 960H	2880 x 1620 - 4.7 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p 960 x 576 - 960H	2880 x 1620 - 5 Mpx - HD-CVI only : Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p - HD-CVI only 960 x 576 - 960H, PAL	2880 x 1620 - 5 Mpx HD-CVI only , 2560 x 1440 - 3.7 Mpx , 1920 x 1080 - 1080p HD-CVI only 960 x 576 - 960H	2880 x 1620 - 5 Mpx @ HD-CVI @ 25 fps - Aspect Ratio 16 : 9 , 2560 x 1440 - 3.7 Mpx @ HD-CVI / HD-TVI / AHD @ 25 fps , 1920 x 1080 - 1080p @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	3840 x 2160 - 8.3 Mpx @ HD-CVI @ 25 fps , 3840 x 2160 - 8.3 Mpx @ HD-CVI / HD-TVI / AHD @ 15 fps , 2592 x 1944 - 5 Mpx @ HD-CVI @ 20 fps , 2560 x 1440 - 3.7 Mpx @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps
Lens	3.6 mm	3.6 mm	3.6 mm	2.8 mm	3.6 mm	3.6 mm	3.6 mm	2.8 mm
View angle	• 92 ° (manufacturer data) • 86 ° (our tests result)	• 92 ° (manufacturer data) • 85 ° (our tests result)	• 92 ° (manufacturer data) • 90 ° @ HD-CVI (our tests result) • 76 ° @ AHD / HD-TVI (our tests result)	• 111 ° (manufacturer data) • 104 ° - HD-CVI, 91 ° - HD-TVI, 90 ° - AHD (our tests result)	• 92 ° (manufacturer data) • 88 ° (our tests result)	• 92 ° (manufacturer data) • 90 ° (our tests result)	• 92 ° (manufacturer data) • 85 ° (our tests result)	• 105 ° (manufacturer data) • 100 ° (our tests result)
Range of IR illumination	20 m	20 m	80 m	30 m	80 m	80 m	40 m	30 m
IR illuminator power adjustment	...	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Video output	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, 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
OSD menu	OSD menu available via DAHUA recorder	✓	✓	✓	OSD menu available via DAHUA recorder	✓	✓	✓
SAP Code	...	...	...	...	...	...	...	...
Vandal-proof	–	–	...	...	...	...	–	...
Main features	• 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 • D-WDR - Wide Dynamic Range • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • 2D-DNR - Digital Noise Reduction • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • 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 • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-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 • Sharpness - sharper image outlines • Privacy zones • Mirror - Mirror image	• 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 • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance
Power supply	12 V DC / 380 mA	12 V DC / 260 mA	12 V DC / 410 mA	12 V DC / 270 mA	12 V DC / 440 mA	12 V DC / 430 mA	12 V DC / 380 mA	12 V DC / 360 mA
Power consumption	≤ 4.5 W	≤ 3.1 W	≤ 4.9 W	≤ 3.2 W	≤ 5.2 W	≤ 5.2 W	≤ 4.5 W	≤ 4.3 W
Housing	Compact, Plastic	Compact - Metal	Compact, Metal	Compact, Metal	Compact, Plastic + Metal	Compact, Plastic + Metal	Compact Plastic + Metal	Compact, Metal
Color	White + Black	White	White	White	White + Black	White + Black	White	White
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Operation temp	-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	0.18 kg	0.33 kg	0.59 kg	0.37 kg	0.41 kg	0.28 kg	0.3 kg	0.36 kg
Dimensions	163 x 70 x 70 mm	167 x 70 x 70 mm	Ø 90 x 242 mm	Ø 73 x 176 mm	Ø 90 x 241 mm	199 x 80 x 76 mm	198 x 80 x 76 mm	Ø 73 x 176 mm
Supported languages	...	...	...	...	...	...	...	...
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years

	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1800TH-I8-0360B - 8.3 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1800TL-A-0360B - 8.3 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1801CM-IL-A-0360B-S2 - 8.3 Mpx 4K UHD 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1801TLM-IL-A-0360B-S2 - 8.3 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW2501TU-A-0360B-S2 - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, CVBS CAMERA HAC-ME1509TH-A-PV-0360B-S2 TiOC - 5 Mpx 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16H0T-ITF(2.8MM)(C) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16H0T-ITFS(2.8MM) - 5 Mpx Hikvision
	109.16 EUR 109.16 EUR	97.91 EUR 97.91 EUR	135.74 EUR 135.74 EUR	138.37 EUR 138.37 EUR	153.21 EUR 153.21 EUR	180.02 EUR 180.02 EUR	67.03 EUR 67.03 EUR	69.66 EUR 69.66 EUR
Standard	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 / PAL	AHD / HD-CVI / HD-TVI / PAL
Sensor	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Matrix size	8.3 Mpx	8.3 Mpx	8.3 Mpx	8.3 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx
S/N ratio	...	...	...	...	> 65 dB	...	...	...
White light LED illuminator range	...	...	20 m	40 m	...	40 m	...	...
Alarm inputs / outputs	...	...	...	...	...	0 / 1	...	...
Resolution	3840 x 2160 - 8.3 Mpx @ HD-CVI @ 25 fps , 3840 x 2160 - 8.3 Mpx @ HD-CVI / HD-TVI / AHD @ 15 fps , 2592 x 1944 - 5 Mpx @ HD-CVI @ 20 fps , 2560 x 1440 - 3.7 Mpx @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	3840 x 2160 - 8.3 Mpx @ HD-CVI @ 25 fps , 3840 x 2160 - 8.3 Mpx @ HD-CVI / HD-TVI / AHD @ 15 fps , 2592 x 1944 - 5 Mpx @ HD-CVI @ 20 fps , 2560 x 1440 - 3.7 Mpx @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	3840 x 2160 - 8.3 Mpx 4K UHD @ HD-CVI / HD-TVI / AHD @ 15 fps , 2592 x 1944 - 5 Mpx @ HD-CVI @ 25 fps , 2560 x 1440 - 3.7 Mpx @ HD-CVI @ 25 fps , 1920 x 1080 - 1080p @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	3840 x 2160 - 8.3 Mpx @ HD-CVI @ 25 fps , 3840 x 2160 - 8.3 Mpx @ HD-CVI / HD-TVI / AHD @ 15 fps , 2592 x 1944 - 5 Mpx @ HD-CVI @ 25 fps , 2560 x 1440 - 3.7 Mpx @ HD-CVI @ 25 fps , 1920 x 1080 - 1080p @ HD-CVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	• HD-CVI : 2880 x 1620 - 5 Mpx - Aspect Ratio 16 : 9 , 2560 x 1440 - 4 Mpx , 1920 x 1080 - 1080p ; • AHD / HD-TVI : 2560 x 1440 - 3.7 Mpx • CVBS : 960 x 576 - 960H	• 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	• 2560 x 1944 - 5 Mpx @ AHD / HD-TVI, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI • 1920 x 1080 @ HD-TVI • 960 x 576 @ PAL	• 2560 x 1944 - 5 Mpx @ AHD / HD-TVI, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI • 1920 x 1080 @ HD-TVI • 960 x 576 @ PAL
Lens	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm	2.8 mm	2.8 mm
View angle	• 87 ° (manufacturer data) • 83 ° (our tests result)	• 87 ° (manufacturer data) • 85 ° (our tests result)	• 88 ° (manufacturer data) • 83 ° (our tests result)	• 88 ° (manufacturer data) • 82 ° (our tests result)	• 92 ° (manufacturer data) • 77 ° (our tests result)	• 89 ° (manufacturer data) • 84 ° (our tests result)	• 85 ° (manufacturer data) • 80 ° (our tests result)	• 86 ° (manufacturer data) • 80 ° (our tests result)
Range of IR illumination	80 m	80 m	20 m	40 m	80 m	40 m	30 m	30 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	...	Automatic	Automatic
Video output	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 / PAL - 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket
Audio	–	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 • Audio support via coaxial cable - HD-CVI only • Speaker built-in / Alarm siren	–	Microphone built-in
OSD menu	OSD menu available via DAHUA recorder	✓	✓	✓	✓	OSD menu available via DAHUA recorder	✓	✓
SAP Code	...	...	...	...	...	...	300512117	300511760
Vandal-proof	...	...	–	–	...	–	...	...
Main features	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance	• D-WDR • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • D-ZOOM - Digital Zoom : 4x • Privacy zones • Mirror - Mirror image • Auto White Balance	• 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 • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • 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 - 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 • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Privacy zones - max. 8 • Mirror - Mirror image • 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 • F-DNR (Defog) - Reduction of image noise caused by precipitation • D-ZOOM - Digital Zoom : 4x • Auto White Balance • AGC - Automatic Gain Control • BLC/HLC - Back Light / High Light Compensation • Mirror - Mirror image • Privacy zones • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-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 • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-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 • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines
Power supply	12 V DC / 500 mA	12 V DC / 500 mA	12 V DC / 350 mA	12 V DC / 480 mA	12 V DC / 800 mA	12 V DC / 870 mA	12 V DC / 360 mA	12 V DC / 310 mA
Power consumption	≤ 6 W	≤ 6 W	≤ 4.2 W	≤ 5.7 W	≤ 9.6 W	≤ 10.5 W	≤ 4.3 W	≤ 3.7 W
Housing	Compact, Plastic + Metal	Compact, Plastic + Metal	Compact - Metal	Compact Plastic + Metal	Compact, Aluminum	Compact, Plastic + Metal	Compact, Metal	Compact, Metal
Color	White + Black	White + Black	White	White	White	White + Black	White + Black	White + Black
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Operation temp	-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	0.41 kg	0.28 kg	0.33 kg	0.3 kg	0.75 kg	0.48 kg	0.26 kg	0.29 kg
Dimensions	241 x 91 x 90 mm	199 x 80 x 76 mm	167 x 70 x 70 mm	198 x 80 x 76 mm	245 x 90 x 90 mm	241 x 91 x 91 mm	139 x 58 x 61 mm	159 x 58 x 61 mm
Supported languages	...	...	...	...	...	...	English	English
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	Hikvision
Guarantee	3 years	3 years	3 years	3 years	5 years	3 years	3 years	3 years

	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16H0T-ITPFS(2.8MM) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16H8T-IT3F(2.8mm) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE17H0T-IT3F(2.8MM)(C) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE17H0T-IT5F(3.6mm) - 5 Mpx Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-TA15FR4 - 8.3 Mpx, 4K UHD 3.6 mm BCS BASIC	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-TA18FWR3 - 8 Mpx, 4K UHD 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-TA18FWR3-G - 8 Mpx, 4K UHD 2.8 mm
							
	52.67 EUR 52.67 EUR	117.06 EUR 117.06 EUR	79.96 EUR 79.96 EUR	73.25 EUR 73.25 EUR	39.50 EUR 39.50 EUR	78.76 EUR 78.76 EUR	78.76 EUR 78.76 EUR
Standard	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / HD-TVI / PAL	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	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.5 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS
Matrix size	5 Mpx	5.0 Mpx	5 Mpx	5.0 Mpx	5 Mpx	8.3 Mpx	8.3 Mpx
S/N ratio	...	...	...	...	...	...	...
White light LED illuminator range	...	...	...	...	...	...	...
Alarm inputs / outputs	...	...	...	...	...	...	...
Resolution	• 2560 x 1944 - 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 @ PAL	• AHD / HD-TVI : 2560 x 1944 - 5 Mpx , • AHD / HD-CVI / HD-TVI : 2560 x 1440 - 4 Mpx , • HD-TVI : 1920 x 1080 - 1080p , • CVBS : 960 x 576 - 960H	• 2560 x 1944 - 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 @ PAL	• 2560 x 1944 - 5 Mpx @ AHD / HD-TVI, • 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI • 1920 x 1080 - 1080p @ HD-TVI • 960 x 576 - 960H @ PAL	3840 x 2160 - 8.3 Mpx, 4K UHD , 2704 x 1950 - 5.3 Mpx @ AHD / HD-TVI , 2560 x 1440 - 4 Mpx , 1920 x 1080 - 1080p 960 x 576 - 960H, PAL	3840 x 2160 - 8 Mpx, 4K UHD , 2592 x 1944 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 960 x 576 - 960H	3840 x 2160 - 8 Mpx, 4K UHD , 2592 x 1944 - 5 Mpx , 2560 x 1440 - 3.7 Mpx , 960 x 576 - 960H
Lens	2.8 mm	2.8 mm	2.8 mm	3.6 mm	3.6 mm, F1.2	2.8 mm	2.8 mm
View angle	• 86 ° (manufacturer data) • 88 ° (our tests result)	• 98 ° (manufacturer data) • 95 ° (our tests result)	• 85 ° (manufacturer data) • 82 ° (our tests result)	• 80 ° (manufacturer data) • 83 ° (our tests result)	• 100 ° (manufacturer data) • 94 ° (our tests result)	• 105 ° (manufacturer data) • 100 ° (our tests result)	• 105 ° (manufacturer data) • 100 ° (our tests result)
Range of IR illumination	25 m	60 m	40 m	80 m	40 m	30 m	30 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Video output	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / CVBS, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / CVBS, BNC socket	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω, selectable by switch	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	...	–	...	...	Microphone built-in HD-CVI only	• Microphone built-in - HD-CVI only
OSD menu	✓	OSD menu available via recorder	✓	OSD menu available via recorder	✓	✓	✓
SAP Code	300511757	300510468	300512811	300512816	...	...	...
Vandal-proof	...	...	...	...	...	...	...
Main features	• D-WDR - Wide Dynamic Range • 2D-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 • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines	• 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 • ICR - Movable InfraRed filter • Mirror - Mirror image • BLC - Back Light Compensation • AGC - Automatic Gain Control • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-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 • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-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 • ICR - Movable InfraRed filter • Mirror - Mirror image • BLC - Back Light Compensation • AGC - Automatic Gain Control • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Sharpness - sharper image outlines • AGC - Automatic Gain Control • White Balance - ATW/Manual • Day/night mode • ICR - Movable InfraRed filter • Mirror - Mirror image	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR, 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Sharpness - sharper image outlines • AGC - Automatic Gain Control • Privacy zones • Mirror - Mirror image • Auto White Balance
Power supply	12 V DC / 310 mA	12 V DC / 480 mA	12 V DC / 360 mA	12 V DC / 430 mA	12 V DC / 420 mA	12 V DC / 430 mA	12 V DC / 430 mA
Power consumption	≤ 3.7 W	≤ 5.8 W	≤ 4.3 W	≤ 5.2 W	≤ 5 W	≤ 5.2 W	≤ 5.2 W
Housing	Compact, Plastic	Compact, Metal + Plastic	Compact, Plastic	Compact - Metal + Plastic	Compact, Metal	Compact, Metal	Compact, Metal
Color	White + Black	White + Black	White + Black	White + Black	White	White	Dark graphite
"Index of Protection"	IP67	IP67	IP67	IP67	IP66	IP67	IP67
Operation temp	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-20 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.17 kg	0.57 kg	0.17 kg	0.33 kg	0.44 kg	0.37 kg	0.37 kg
Dimensions	154 x 58 x 61 mm	217 x 87 x 80 mm	217 x 79 x 75 mm	217 x 79 x 75 mm	Ø 69 x 184 mm	Ø 73 x 176 mm	Ø 73 x 176 mm
Supported languages	English	English	English	English	...	...	...
Manufacturer / Brand	Hikvision	Hikvision	Hikvision	Hikvision	BCS BASIC	BCS	BCS
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years