	AHD, HD-CVI, HD-TVI, CVBS CAMERA APTI-H50F2-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50PV2-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50V2-28 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50V2-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50V2-36 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50V2-36W 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW1200E-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW1200E-0360B-S4 - 1080p 3.6 mm DAHUA
	34.76 EUR 42.75 EUR	18.44 EUR 22.68 EUR	25.45 EUR 31.30 EUR	26.53 EUR 32.63 EUR	23.42 EUR 28.81 EUR	25.25 EUR 31.06 EUR	56.71 EUR 69.75 EUR	63.12 EUR 77.64 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 / PAL	AHD / HD-CVI / HD-TVI / CVBS
Sensor	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " CMOS	1/2.7 " CMOS
Matrix size	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	2.0 Mpx	2.1 Mpx
IR illuminator support	...	...	...	...	...	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter
S/N ratio	...	...	...	...	...	...	> 65 dB	> 65 dB
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 • 960 x 576 - 960H @ PAL	• 2592 x 1944 - 5 Mpx @ AHD, HD-TVI, • 2560 x 1440 - 3.7 Mpx @ AHD, HD-TVI, HD-CVI, • 1920 x 1080 - 1080p @ AHD, HD-CVI, HD-TVI, • 960 x 576 - PAL	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-CVI / HD-TVI , 960 x 576 - 960H @ PAL	• 2592 x 1944 - 5 Mpx - AHD / HD-TVI, • 2560 z 1440 - 3.7 Mpx @ AHD / HD-CVI / HD-TVI, • 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI, • 960 x 576 - 960H, PAL	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-CVI / HD-TVI , 960 x 576 - 960H @ PAL	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, 30 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI , 960 x 576 - 960H @ PAL	1920 x 1080 - 1080p 1280 x 720 - 720p 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 1280 x 720 - 720p 960 x 576 - 960H, PAL
Range of IR illumination	20 m	20 m	20 m	20 m	20 m	20 m	30 m	30 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm	2.8 mm	2.8 mm	3.6 mm	3.6 mm	2.8 mm, F2.0	3.6 mm, F2.0
Audio	...	...	...	...	...	...	...	...
View angle	• 95 ° (manufacturer data) • 104 ° (our tests result)	• 98 ° (manufacturer data) • 103 ° (our tests result)	• 95 ° (manufacturer data) • 90 ° (our tests result)	• 95 ° (manufacturer data) • 99 ° (our tests result)	• 83 ° (manufacturer data) • 70 ° (our tests result)	• 83 ° (manufacturer data) • 82 ° (our tests result)	• 116 ° (manufacturer data) • 110 ° (our tests result)	• 90 ° (manufacturer data) • 82 ° (our tests result)
Video output	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	1 Vpp 75 Ω, AHD, HD-CVI, HD-TVI, CVBS - selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - selectable by switch	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω
Country of origin	...	...	...	...	...	...	...	...
OSD menu	✔	OSD menu available via recorder	✔	✔	✔	✔	OSD menu available via recorder	OSD menu available via recorder
Main features	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Day/night mode	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Sharpness - sharper image outlines • Auto White Balance	• 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) • White Balance - ATW/Manual • Sharpness - sharper image outlines	• DNR - Digital Noise Reduction • D-WDR - Wide Dynamic Range • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Day/Night mode (color/b&w/auto) • White Balance - ATW/Manual • 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) • White Balance - ATW/Manual • 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) • White Balance - ATW/Manual • Sharpness - sharper image outlines	• ICR - Movable InfraRed filter • AGC - Automatic Gain Control • DNR - Digital Noise Reduction • D-WDR - Wide Dynamic Range • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • Mirror - Mirror image • Auto White Balance • Privacy zones	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Mirror - Mirror image • Auto White Balance • Privacy zones
SAP Code	...	...	...	...	...	...	...	...
Power supply	12 V DC / 310 mA	12 V DC / 300 mA	12 V DC / 290 mA	12 V DC / 310 mA	12 V DC / 290 mA	12 V DC / 290 mA	12 V DC / 230 mA	12 V DC / 270 mA
Power consumption	≤ 3.7 W	≤ 3.6 W	≤ 3.5 W	≤ 3.7 W	≤ 3.5 W	≤ 3.5 W	≤ 3.2 W	≤ 3.2 W
Housing	Dome - Metal + Plastic	Dome - Plastic	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome, Metal	Dome, Metal
"Index of Protection"	–	–	IP66	IP66	IP66	IP66	IP67	IP67
Vandal-proof	–	–	✔	✔	✔	✔	IK10	IK10
Color	White	White	Graphite	White	Graphite	White	White	White
Supported languages	Polish, English, French, Spanish, Korean, Portuguese, Russian, Italian	...	English, Portuguese, Russian, Italian	English, Portuguese, Russian, Italian	English, Portuguese, Russian, Italian	English, Portuguese, Russian, Italian	Polish, English, Chinese, French, Spanish, Japanese, Korean, German, Portuguese, Russian, Italian	Polish, English, French, Spanish, German, Portuguese, Russian, Italian
Operation temp	-10 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.30 kg	0.15 kg	0.29 kg	0.28 kg	0.29 kg	0.28 kg	0.31 kg	0.32 kg
Dimensions	Ø 120 x 99 mm	Ø 99 x 81 mm	Ø 93 x 77 mm	Ø 93 x 77 mm	Ø 93 x 77 mm	Ø 93 x 77 mm	Ø 110 x 81 mm	Ø 110 x 81 mm
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, PAL VANDALPROOF CAMERA HAC-HDBW2241F-A-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDW1200EM-A-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDW1200EM-A-POC-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, CVBS CAMERA HAC-HDW1200M-0280B-S4-BLACK - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TL-A-0280B-S4 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TLMQ-0280B-S5 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TLMQ-0280B-BLACK - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TMQ-A-0280B-S5 - 1080p 2.8 mm DAHUA
	103.36 EUR 127.13 EUR	59.46 EUR 73.14 EUR	74.09 EUR 91.13 EUR	42.53 EUR 52.31 EUR	45.05 EUR 55.41 EUR	46.19 EUR 56.81 EUR	46.19 EUR 56.81 EUR	54.65 EUR 67.22 EUR
Standard	AHD, HD-CVI, HD-TVI, PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / TVI / CVBS	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS
Sensor	1/2.8 " CMOS	1/2.7 " CMOS	1/2.7 " CMOS	1/2.7 " CMOS	1/2.7 " CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS
Matrix size	2.1 Mpx	2.0 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
IR illuminator support	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	...	...	...	...
S/N ratio	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB	> 65 dB
Resolution	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 1280 x 720 - 720p 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL
Range of IR illumination	20 m	50 m	50 m	30 m	30 m	30 m	30 m	60 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm, F2.0	2.8 mm, F2.0	2.8 mm, F1.85	2.8 mm	2.8 mm	2.8 mm	2.8 mm
Audio	• Microphone built-in - HD-CVI only, • External microphone input - 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
View angle	• 110 ° (manufacturer data) • 102 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 101 ° (manufacturer data) • 100 ° (our tests result)	101 °	• 101 ° (manufacturer data) • 96 ° (our tests result)
Video output	AHD / HD-CVI / HD-TVI / PAL, 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	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω
Country of origin	...	...	...	...	...	...	...	...
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
Main features	• WDR - 120 dB - Wide Dynamic Range • 2D-DNR / 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • AGC - Automatic Gain Control • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • Mirror - Mirror image • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • Mirror - Mirror image • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • BLC/HLC - Back Light / High Light Compensation • Mirror - Mirror image • Privacy zones • Auto White Balance	• 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 • Auto White Balance • Privacy zones • Mirror - Mirror image • 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 • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • F-DNR (Defog) - Reduction of image noise caused by precipitation • Privacy zones • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-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 • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • Privacy zones • Mirror - Mirror image • 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 • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • F-DNR (Defog) - Reduction of image noise caused by precipitation • Privacy zones • Mirror - Mirror image • Sharpness - sharper image outlines
SAP Code	...	...	...	...	...	...	...	...
Power supply	12 V DC / 300 mA	12 V DC / 240 mA	• PoC, • 12 V DC / 350 mA	12 V DC / 280 mA	12 V DC / 300 mA	12 V DC / 240 mA	12 V DC / 240 mA	12 V DC / 410 mA
Power consumption	≤ 3.6 W	...	≤ 4.2 W	≤ 3.3 W	≤ 3.6 W	≤ 2.9 W	≤ 2.9 W	≤ 4.9 W
Housing	Dome, Metal	Dome, Metal	Dome, Metal	Dome, Aluminum	Dome, Metal + Plastic	Dome, Metal + Plastic	Dome, Metal + Plastic	Dome, Metal + Plastic
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Vandal-proof	IK10	✔	✔	✔	–	–	–	–
Color	White	White	White	Black	White	White	Black	White
Supported languages	...	...	...	...	...	...	...	...
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	0.35 kg	0.43 kg	0.43 kg	0.25 kg	0.21 kg	0.33 kg	0.31 kg	0.41 kg
Dimensions	Ø 106 x 51 mm	Ø 106 x 94 mm	Ø 106 x 94 mm	Ø 94 x 80 mm	Ø 97 x 86 mm	Ø 110 x 88 mm	Ø 110 x 88 mm	Ø 122 x 99 mm
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-HDW1200TQ-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDW1230EM-A-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1230M-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2249T-A-NI-0360B Full-Color - 1080p 3.6 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-T1A21-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-T2A21-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IRF(3.6mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA DS-2CE56D0T-IRMF(3.6mm) - 1080p Hikvision
	38.88 EUR 47.82 EUR	65.63 EUR 80.72 EUR	54.65 EUR 67.22 EUR	122.80 EUR 151.04 EUR	31.56 EUR 38.82 EUR	38.88 EUR 47.82 EUR	39.10 EUR 48.09 EUR	42.31 EUR 52.04 EUR
Standard	HD-CVI, HD-TVI, AHD, CVBS	AHD, HD-CVI, HD-TVI, PAL	HD-CVI, HD-TVI, AHD, PAL	AHD, HD-CVI, HD-TVI, CVBS	AHD / HD-CVI / HD-TVI / PAL	HD-CVI, HD-TVI, AHD, PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL
Sensor	1/2.7 " Progressive Scan CMOS	1/2.8 " CMOS	1/2.8 " CMOS	1/2.8 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Matrix size	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
IR illuminator support	...	ICR - Movable InfraRed filter	...	–	...	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter
S/N ratio	> 65 dB	> 65 dB	> 65 dB	...	> 65 dB	> 65 dB	> 62 dB	> 62 dB
Resolution	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p , 1280 x 720 - 720p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p	1920 x 1080 - 1080p
Range of IR illumination	40 m	50 m	30 m	–	20 m	20 m	20 m	20 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	–	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm	2.8 mm	3.6 mm	2.8 mm, F1.2	2.8 mm	3.6 mm	3.6 mm
Audio	–	Microphone built-in - It can operate in CVI mode only	–	• Microphone built-in - HD-CVI only, • External microphone input - HD-CVI only	...	–	...	...
View angle	• 101 ° (manufacturer data) • 98 ° (our tests result)	• 106 ° (manufacturer data) • 104 ° (our tests result)	• 106 ° (manufacturer data) • 104 ° (our tests result)	• 90 ° (manufacturer data) • 84 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 82 ° (manufacturer data) • 78 ° (our tests result)	• 82 ° (manufacturer data) • 77 ° (our tests result)
Video output	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω	HD-CVI / HD-TVI / AHD / PAL, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	HD-CVI / HD-TVI / AHD / PAL, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω
Country of origin	...	...	...	...	...	...	...	...
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 recorder	OSD menu available via DAHUA recorder	–	–
Main features	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • F-DNR (Defog) - Reduction of image noise caused by precipitation • Privacy zones • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Anti-Flicker - The technology eliminates the tiring eyes flickering image effect • 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 • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Privacy zones • Mirror - Mirror image • 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 • D-ZOOM - Digital Zoom • BLC/HLC - Back Light / High Light Compensation • Auto White Balance • AGC - Automatic Gain Control • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • 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 • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Mirror - Mirror image • Auto White Balance • Sharpness - sharper image outlines	• DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • BLC - Back Light Compensation • Auto White Balance	• ICR - Movable InfraRed filter • AGC - Automatic Gain Control • DNR - Digital Noise Reduction • Auto White Balance
SAP Code	...	...	...	...	...	...	300609188	300609194
Power supply	12 V DC / 240 mA	12 V DC / 390 mA	12 V DC / 290 mA	12 V DC / 200 mA	12 V DC / 230 mA	12 V DC / 220 mA	12 V DC / 330 mA	12 V DC / 330 mA
Power consumption	≤ 2.9 W	≤ 4.7 W	≤ 3.5 W	≤ 2.4 W	≤ 2.3	≤ 2.7 W	≤ 4 W	≤ 4 W
Housing	Dome, Metal + Plastic	Dome, Aluminum	Dome, Aluminum	Dome, Aluminum	Dome, Plastic	Dome, Aluminum	Dome, Metal / Plastic	Dome, Metal
"Index of Protection"	IP67	IP67	...	IP67	IP40	IP67	IP66	IP66
Vandal-proof	–	✔	–	–	–	–	–	–
Color	White	White	White	White	White	White	White	White
Supported languages	...	...	...	Polish, English, French, Spanish, German, Portuguese, Russian, Italian	...	Polish, English, French, Spanish, German, Portuguese, Russian, Italian	...	...
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	0.33 kg	0.45 kg	0.26 kg	0.51 kg	0.08 kg	0.27 kg	0.18 kg	0.25 kg
Dimensions	Ø 110 x 101 mm	Ø 106 x 94 mm	Ø 93.4 x 79.4 mm	Ø 106 x 99 mm	Ø 85 x 69 mm	Ø 94 x 78 mm	Ø 90 x 70 mm	Ø 89 x 68 mm
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	Hikvision	Hikvision
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years	3 years

	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA DS-2CE56D0T-IRMF(2.8mm)(C) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IRMMF(3.6mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IRMMF(2.8MM)(C) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IRPF(3.6mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IRPF(2.8mm)(C) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IT3F(3.6mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IT3F(2.8mm)(C) - 1080p Hikvision
	42.31 EUR 52.04 EUR	35.67 EUR 43.87 EUR	35.67 EUR 43.87 EUR	35.67 EUR 43.87 EUR	35.67 EUR 43.87 EUR	50.31 EUR 61.88 EUR	50.31 EUR 61.88 EUR
Standard	AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / CVBS	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / CVBS
Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Matrix size	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
IR illuminator support	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	...	ICR - Movable InfraRed filter	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter
S/N ratio	...	> 62 dB	...	> 62 dB	...	> 62 dB	...
Resolution	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p
Range of IR illumination	25 m	20 m	20 m	20 m	20 m	40 m	40 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	3.6 mm	2.8 mm	3.6 mm	2.8 mm	3.6 mm	2.8 mm
Audio	...	...	...	...	...	...	...
View angle	• 107 ° (manufacturer data) • 101 ° (our tests result)	• 82 ° (manufacturer data) • 78 ° (our tests result)	• 106 ° (manufacturer data) • 97 ° (our tests result)	• 82 ° (manufacturer data) • 80 ° (our tests result)	• 106 ° (manufacturer data) • 100 ° (our tests result)	• 82 ° (manufacturer data) • 78 ° (our tests result)	• 106 ° (manufacturer data) • 101 ° (our tests result)
Video output	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI, BNC socket	AHD / HD-CVI / HD-TVI / PAL, 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
Country of origin	...	...	...	...	...	...	...
OSD menu	OSD menu available via recorder	–	✔	–	OSD menu available via recorder	–	–
Main features	• ICR - Movable InfraRed filter • AGC - Automatic Gain Control • D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Auto White Balance	• DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/night mode • BLC - Back Light Compensation • Auto White Balance	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/night mode • Auto White Balance • Sharpness - sharper image outlines	• ICR - Movable InfraRed filter • DNR - Digital Noise Reduction • Day/night mode • AGC - Automatic Gain Control • BLC - Back Light Compensation • Auto White Balance	• 2D-DNR - Digital Noise Reduction • D-WDR - Wide Dynamic Range • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • Sharpness - sharper image outlines	• ICR - Movable InfraRed filter • 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 • AGC - Automatic Gain Control • DNR - Digital Noise Reduction • Auto White Balance	• 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 • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • D-WDR - Wide Dynamic Range • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Sharpness - sharper image outlines
SAP Code	300613473	300609197	300613479	300609191	300613467	300609182	300613493
Power supply	12 V DC / 250 mA	12 V DC / 330 mA	12 V DC / 150 mA	12 V DC / 330 mA	12 V DC / 190 mA	12 V DC / 330 mA	12 V DC / 250 mA
Power consumption	≤ 3 W	≤ 4 W	≤ 1.8 W	≤ 4 W	≤ 2.2 W	≤ 4 W	≤ 3 W
Housing	Dome, Metal	Dome, Plastic	Dome, Plastic	Dome, Plastic	Dome, Plastic	Dome, Plastic	Dome, Plastic
"Index of Protection"	IP67	IP44	IP44	IP44	–	IP66	IP67
Vandal-proof	–	–	–	–	–	–	–
Color	White	White	White	White	White	White	White
Supported languages	...	...	...	...	...	...	...
Operation temp	-40 °C ... 60 °C	-20 °C ... 45 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-30 °C ... 60 °C	-40 °C ... 60 °C
Weight	0.25 kg	0.15 kg	0.15 kg	0.14 kg	0.13 kg	0.24 kg	0.21 kg
Dimensions	Ø 89 x 68 mm	Ø 98 x 66 mm	Ø 98 x 66 mm	Ø 90 x 70 mm	Ø 90 x 70 mm	Ø 110 x 93 mm	Ø 110 x 93 mm
Manufacturer / Brand	Hikvision	Hikvision	Hikvision	Hikvision	Hikvision	Hikvision	Hikvision
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years

	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D8T-IT3F(2.8mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA DS-2CE56D8T-ITMF(2.8MM) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, CVBS VANDALPROOF CAMERA DS-2CE56D8T-VPITF(2.8mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, CVBS VANDALPROOF CAMERA DS-2CE56D8T-VPITF(3.6MM) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA BCS-DMQ2200IR - 1080p 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-DMQE2200IR3-B - 1080p 2.8 mm	AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-DMQE2200IR3-G - 1080p 2.8 mm
	74.55 EUR 91.70 EUR	64.72 EUR 79.61 EUR	74.55 EUR 91.70 EUR	74.55 EUR 91.70 EUR	55.57 EUR 68.35 EUR	40.02 EUR 49.22 EUR	40.02 EUR 49.22 EUR
Standard	AHD / HD-CVI / HD-TVI / PAL	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 / CVBS
Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	1/2.9 " Progressive Scan CMOS	1/2.9 " Progressive Scan CMOS	1/2.9 " Progressive Scan CMOS
Matrix size	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
IR illuminator support	...	ICR - Movable InfraRed filter	...	...	...	...	...
S/N ratio	...	> 62 dB	...	...	> 65 dB	50 dB	50 dB
Resolution	1920 x 1080 - 1080p	• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI • 960 x 576 - 960H @ PAL	1920 x 1080 - 1080p	1920 x 1080 - 1080p	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 1280 x 720 - 720p	1920 x 1080 - 1080p 1280 x 720 - 720p
Range of IR illumination	60 m	30 m	30 m	30 m	60 m	30 m	30 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm	2.8 mm	3.6 mm	2.8 mm, F1.85	2.8 mm, F1.2	2.8 mm, F1.2
Audio	...	...	...	...	...	...	...
View angle	• 104 ° (manufacturer data) • 100 ° (our tests result)	• 104 ° (manufacturer data) • 101 ° (our tests result)	• 104 ° (manufacturer data) • 97 ° (our tests result)	• 79 ° (manufacturer data) • 75 ° (our tests result)	• 103 ° (manufacturer data) • 101 ° (our tests result)	• 91 ° (manufacturer data) • 105 ° (our tests result)	• 91 ° (manufacturer data) • 105 ° (our tests result)
Video output	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 / CVBS, BNC socket	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / CVBS, BNC socket	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω
Country of origin	...	...	China	China	...	...	...
OSD menu	OSD menu available via recorder	OSD menu available via recorder	OSD menu available via Hikvision HD-TVI recorder	OSD menu available via Hikvision HD-TVI recorder	✔	✔	✔
Main features	• WDR ≥ 130 dB - Wide Dynamic Range • 2D-DNR, 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 • HLC - High Light Compensation (spot) • AGC - Automatic Gain Control • Auto White Balance • ICR - Movable InfraRed filter • Motion Detection - max. 4 zones • Privacy zones - max. 4 • 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 • AGC - Automatic Gain Control • BLC - Back Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines	• WDR - 130 dB - Wide Dynamic Range • 2D-DNR, 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 • Privacy zones - max. 4 • Motion Detection - max. 4 zones • ICR - Movable InfraRed filter • Mirror - Mirror image • BLC - Back Light Compensation • Auto White Balance • Sharpness - sharper image outlines	• WDR - 130 dB - Wide Dynamic Range • 2D-DNR, 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 • Privacy zones - max. 4 • Motion Detection - max. 4 zones • ICR - Movable InfraRed filter • Mirror - Mirror image • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Configurable Privacy Zones	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Configurable Privacy Zones	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Auto White Balance • Mirror - Mirror image • Configurable Privacy Zones
SAP Code	300612678	300612680	300612682	300612683	...	...	...
Power supply	12 V DC / 280 mA	12 V DC / 280 mA	12 V DC / 280 mA	12 V DC / 280 mA	12 V DC / 300 mA	12 V DC / 670 mA	12 V DC / 670 mA
Power consumption	≤ 3.4 W	≤ 3.4 W	≤ 3.4 W	≤ 3.4 W	< 3.6 W	< 8 W	< 8 W
Housing	Dome, Metal + Plastic	Dome, Metal	Dome - Metal	Dome - Metal	Dome, Metal	Dome, Metal	Dome, Metal
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP66	IP66
Vandal-proof	–	–	IK10	IK10	–	–	–
Color	White	White	White	White	White	White	Black
Supported languages	...	...	English	English	...	...	...
Operation temp	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-40 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C
Weight	0.33 kg	0.24 kg	0.47 kg	0.47 kg	0.41 kg	0.28 kg	0.28 kg
Dimensions	Ø 110 x 93 mm	91 x 83 x 68 mm	Ø 111 x 82 mm	Ø 111 x 82 mm	Ø 106 x 94 mm	Ø 94 x 80 mm	Ø 94 x 80 mm
Manufacturer / Brand	Hikvision	Hikvision	Hikvision	Hikvision	BCS	BCS	BCS
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years

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