	AHD, HD-CVI, HD-TVI CAMERA APTI-H50PV21-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50V2-28 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50V2-36 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50V21-36W 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H50VA22-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H51V2-28 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H51V2-36 2Mpx / 5Mpx 3.6 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H51V21-28W 2Mpx / 5Mpx 2.8 mm	AHD, HD-CVI, HD-TVI CAMERA APTI-H51V21-36W 2Mpx / 5Mpx 3.6 mm
	22.96 EUR 22.96 EUR	30.23 EUR 30.23 EUR	30.99 EUR 30.99 EUR	29.46 EUR 29.46 EUR	32.52 EUR 32.52 EUR	29.85 EUR 29.85 EUR	28.70 EUR 28.70 EUR	29.85 EUR 29.85 EUR	28.70 EUR 28.70 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	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI	AHD, HD-CVI, HD-TVI
Matrix size	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx	5 Mpx
Sensor	1/3 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/2.7 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS	1/3 " Progressive Scan CMOS
IR illuminator support	...	...	...	...	...	...	...	...	...
White light LED illuminator range	...	...	...	...	...	...	...	...	...
S/N ratio	...	...	...	...	...	...	...	...	...
Resolution	• 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	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	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	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps	2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps, 12.5 fps , 2560 x 1440 - 4 Mpx @ AHD / HD-TVI @ 30 fps, 25 fps, 15 fps , 2560 x 1440 - 4 Mpx @ HD-CVI @ 30 fps, 25 fps , 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 30 fps, 25 fps
Range of IR illumination	20 m	20 m	20 m	20 m	20 m	20 m	20 m	20 m	20 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm	3.6 mm	3.6 mm	2.8 mm	2.8 mm	3.6 mm	2.8 mm	3.6 mm
View angle	• 89 ° (manufacturer data) • 83 ° (our tests result)	• 95 ° (manufacturer data) • 90 ° (our tests result)	• 83 ° (manufacturer data) • 70 ° (our tests result)	• 77 ° (manufacturer data) • 71 ° (our tests result)	• 89 ° (manufacturer data) • 85 ° (our tests result)	• 89 ° (manufacturer data) • 83 ° (our tests result)	• 77 ° (manufacturer data) • 70 ° (our tests result)	• 89 ° (manufacturer data) • 82 ° (our tests result)	• 77 ° (manufacturer data) • 70 ° (our tests result)
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 - selectable by switch	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 - selectable by switch	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 - selectable by switch
Mechanical protection class	...	...	...	...	...	...	...	...	...
Audio	...	...	...	...	• Microphone built-in • Audio support via coaxial cable - HD-TVI only	...	...	...	...
Country of origin	...	...	...	...	...	...	...	...	...
OSD menu	OSD menu available via recorder	✓	✓	✓	✓	✓	✓	✓	✓
SAP Code	...	...	...	...	...	...	...	...	...
Main features	• 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	• 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 • Day/Night mode (color/b&w/auto) • White Balance - ATW/Manual • Sharpness - sharper image outlines • Coaxial audio - HD-TVI only	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/night mode • Auto White Balance • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines • Coaxial audio - HD-TVI only	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines • Coaxial audio - HD-TVI only	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines • Coaxial audio - HD-TVI only	• D-WDR - Wide Dynamic Range • DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/Night mode (color/b&w/auto) • Auto White Balance • Sharpness - sharper image outlines • Coaxial audio - HD-TVI only
Housing	Dome - Plastic	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal	Dome - Metal
Color	White	Graphite	Graphite	White	White	Graphite	Graphite	White	White
Vandal-proof	–	✓	✓	–	–	–	–	–	–
"Index of Protection"	–	IP66	IP66	IP67	IP67	IP67	IP67	IP67	IP67
Power supply	12 V DC / 180 mA	12 V DC / 290 mA	12 V DC / 290 mA	12 V DC / 550 mA	12 V DC / 250 mA	12 V DC / 230 mA	12 V DC / 230 mA	12 V DC / 250 mA	12 V DC / 250 mA
Power consumption	≤ 2.2 W	≤ 3.5 W	≤ 3.5 W	≤ 6.6 W	≤ 3 W	≤ 2.8 W	≤ 2.8 W	≤ 3 W	≤ 3 W
Operation temp	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-10 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C	-20 °C ... 60 °C
Weight	0.11 kg	0.29 kg	0.29 kg	0.28 kg	0.43 kg	0.42 kg	0.42 kg	0.42 kg	0.42 kg
Dimensions	Ø 84 x 69 mm	Ø 93 x 77 mm	Ø 93 x 77 mm	Ø 93 x 77 mm	Ø 96 x 91 mm	Ø 96 x 91 mm	Ø 96 x 91 mm	Ø 97 x 91 mm	Ø 97 x 91 mm
Supported languages	Polish, English, French, Spanish, Portuguese, Russian, Italian	Polish, English, French, Spanish, Portuguese, Russian, Italian	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	Polish, English	Polish, English
Manufacturer / Brand	APTI	APTI	APTI	APTI	APTI	APTI	APTI	APTI	APTI
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years

	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW1200E-0280B-S5 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW1200EA-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200CLQ-IL-A-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200T-IL-A-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TLM-IL-A-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TLM-IL-A-0280B-S6-BLACK - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TMQ-A-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1200TQ-A-0280B-S6 - 1080p 2.8 mm DAHUA
	67.20 EUR 67.20 EUR	69.35 EUR 69.35 EUR	60.98 EUR 60.98 EUR	82.98 EUR 82.98 EUR	74.85 EUR 74.85 EUR	74.85 EUR 74.85 EUR	69.35 EUR 69.35 EUR	57.39 EUR 57.39 EUR
Standard	AHD / HD-CVI / HD-TVI / PAL	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, CVBS	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS
Matrix size	2.0 Mpx	2.0 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	...	2.1 Mpx	...
Sensor	1/2.7 " CMOS	" Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
IR illuminator support	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	...	...	...	...	...	...
White light LED illuminator range	...	...	20 m	40 m	20 m	20 m	...	...
S/N ratio	> 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 960 x 576 - 960H, PAL	1920 x 1080 - 1080p @ HD-CVI / HD-TVI / AHD @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	1920 x 1080 - 1080p @ HD-CVI / HD-TVI / AHD @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps , 960 x 576 - 960H @ PAL @ 25 fps	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL
Range of IR illumination	30 m	40 m	20 m	40 m	20 m	20 m	60 m	40 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm, F2.0	2.8 mm, F2.0	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm
View angle	• 116 ° (manufacturer data) • 110 ° (our tests result)	102 °	• 102 ° (manufacturer data) • 103 ° (our tests result)	• 102 ° (manufacturer data) • 104 ° (our tests result)	• 102 ° (manufacturer data) • 104 ° (our tests result)	102 °	• 102 ° (manufacturer data) • 101 ° (our tests result)	102 °
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
Mechanical protection class	...	...	...	...	...	–	...	–
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
Country of origin	...	...	...	...	...	...	...	...
OSD menu	OSD menu available via recorder	OSD menu available via recorder	✓	✓	✓	✓	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder
SAP Code	...	...	...	...	...	...	...	...
Main features	• 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	• 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	• 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 • 3D-DNR - Digital Noise Reduction • 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	• 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 • 3D-DNR - Digital Noise Reduction • 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	• 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 • 3D-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	• 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 • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Privacy zones - max. 8 • Auto White Balance	• D-WDR - Wide Dynamic Range • 3D-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 • Privacy zones • Mirror - Mirror image • Sharpness - sharper image outlines	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines
Housing	Dome, Metal	Dome, Metal	Dome, Plastic	Dome, Metal	Dome - Metal	Dome - Metal	Dome, Metal + Plastic	Dome Metal + Plastic
Color	White	White	White	White	White	White	White	White
Vandal-proof	IK10	IK10	–	–	–	...	–	...
"Index of Protection"	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Power supply	12 V DC / 230 mA	12 V DC / 230 mA	12 V DC / 220 mA	12 V DC / 350 mA	12 V DC / 220 mA	12 V DC / 220 mA	12 V DC / 410 mA	12 V DC / 270 mA
Power consumption	≤ 3.2 W	≤ 2.8 W	≤ 2.6 W	≤ 4.1 W	≤ 2.6 W	≤ 2.6 W	≤ 4.9 W	≤ 3.2 W
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	0.31 kg	0.44 kg	0.21 kg	0.48 kg	0.31 kg	0.31 kg	0.44 kg	0.33 kg
Dimensions	Ø 110 x 81 mm	Ø 112 x 81 mm	Ø 97 x 94 mm	Ø 106 x 99 mm	Ø 94 x 86 mm	Ø 94 x 86 mm	Ø 122 x 99 mm	Ø 110 x 101 mm
Supported languages	Polish, English, Chinese, French, Spanish, Japanese, Korean, German, Portuguese, Russian, Italian	Polish, English, Chinese, French, Spanish, Japanese, Korean, German, Portuguese, Russian, Italian	...	...	...	...	...	...
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-HDW1200TRQ-0280B-S6 - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1231TLMQ-A-0280B - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW1231TMQ-A-0280B - 1080p 2.8 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)(C) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA DS-2CE56D0T-IRMF(2.8mm)(C) - 1080p Hikvision
	40.65 EUR 40.65 EUR	82.27 EUR 82.27 EUR	94.70 EUR 94.70 EUR	46.15 EUR 46.15 EUR	54.29 EUR 54.29 EUR	41.61 EUR 41.61 EUR	51.89 EUR 51.89 EUR
Standard	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS	HD-CVI, HD-TVI, AHD, CVBS	AHD / HD-CVI / HD-TVI / PAL	HD-CVI, HD-TVI, AHD, PAL	AHD / HD-CVI / HD-TVI / PAL	AHD / HD-CVI / HD-TVI / CVBS
Matrix size	2 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
Sensor	Progressive Scan CMOS	1/2.8 " Progressive Scan 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
IR illuminator support	...	...	...	...	...	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter
White light LED illuminator range	...	...	...	...	...	...	...
S/N ratio	...	> 65 dB	...	> 65 dB	> 65 dB	...	...
Resolution	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 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	25 m	30 m	60 m	20 m	20 m	25 m	25 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	2.8 mm	2.8 mm	2.8 mm	2.8 mm, F1.2	2.8 mm	3.6 mm	2.8 mm
View angle	• 102 ° (manufacturer data) • 103 ° (our tests result)	• 107 ° (manufacturer data) • 100 ° (our tests result)	• 107 ° (manufacturer data) • 101 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	• 103 ° (manufacturer data) • 100 ° (our tests result)	80 °	• 107 ° (manufacturer data) • 101 ° (our tests result)
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	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 / CVBS, 1 Vpp / 75 Ω
Mechanical protection class	...	...	...	...	...	...	...
Audio	–	• Microphone built-in, • Audio support via coaxial cable - HD-CVI only	• Microphone built-in, • Audio support via coaxial cable - HD-CVI only	...	–	...	...
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 recorder	OSD menu available via DAHUA recorder	✓	OSD menu available via recorder
SAP Code	...	...	...	...	...	300613462	300613473
Main features	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • Day/night mode • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • Auto White Balance • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines	• WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Auto White Balance • Day/night mode • AGC - Automatic Gain Control • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines	• WDR - 130 dB - Wide Dynamic Range • 3D-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 • Privacy zones - max. 8 • Mirror - Mirror image • 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	• D-WDR - Wide Dynamic Range • 2D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • Day/night mode • ICR - Movable InfraRed filter • Auto White Balance • Sharpness - sharper image outlines	• 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
Housing	Dome, Plastic	Dome, Metal + Plastic	Dome, Metal + Plastic	Dome, Plastic	Dome, Aluminum	Dome, Metal + Plastic	Dome, Metal
Color	White	White	White	White	White	White	White
Vandal-proof	–	–	–	–	–	–	–
"Index of Protection"	IP50	IP67	IP67	IP40	IP67	IP67	IP67
Power supply	12 V DC / 220 mA	12 V DC / 260 mA	12 V DC / 430 mA	12 V DC / 230 mA	12 V DC / 220 mA	12 V DC / 250 mA	12 V DC / 250 mA
Power consumption	≤ 2.7 W	≤ 3.1 W	≤ 5.1 W	≤ 2.3	≤ 2.7 W	≤ 3 W	≤ 3 W
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
Weight	0.15 kg	0.33 kg	0.41 kg	0.08 kg	0.27 kg	0.18 kg	0.25 kg
Dimensions	Ø 97 x 93 mm	Ø 110 x 88 mm	Ø 122 x 99 mm	Ø 85 x 69 mm	Ø 94 x 78 mm	Ø 90 x 70 mm	Ø 89 x 68 mm
Supported languages	...	...	...	...	Polish, English, French, Spanish, German, Portuguese, Russian, Italian	...	...
Manufacturer / Brand	DAHUA	DAHUA	DAHUA	DAHUA	DAHUA	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-2CE56D0T-IRMMF(3.6mm) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE56D0T-IT3F(2.8mm)(C) - 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, PAL CAMERA DS-2CE76D0T-ITPF(2.8MM)(C) - 1080p Hikvision	AHD, HD-CVI, HD-TVI, PAL VANDALPROOF CAMERA HAC-HDBW2241F-A-0280B-S2-DIP - 1080p 2.8 mm DAHUA	AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HDW2241TMQ-A-0280B-S2-DIP - 1080p 2.8 mm DAHUA
	45.20 EUR 45.20 EUR	61.70 EUR 61.70 EUR	77.24 EUR 77.24 EUR	88.48 EUR 88.48 EUR	41.61 EUR 41.61 EUR	137.99 EUR 137.99 EUR	129.62 EUR 129.62 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 / CVBS	AHD, HD-CVI, HD-TVI, PAL	HD-CVI, HD-TVI, AHD, CVBS
Matrix size	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx	2.1 Mpx
Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
IR illuminator support	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	ICR - Movable InfraRed filter	...	ICR - Movable InfraRed filter	...	...
White light LED illuminator range	...	...	...	...	...	...	...
S/N ratio	> 62 dB	...	> 62 dB	...	...	> 65 dB	...
Resolution	1920 x 1080 - 1080p	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 @ AHD / HD-CVI / HD-TVI - 25 fps • 960 x 576 - 960H @ PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL	1920 x 1080 - 1080p , 960 x 576 - 960H, PAL
Range of IR illumination	20 m	40 m	30 m	30 m	20 m	30 m	60 m
IR illuminator power adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Lens	3.6 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm	2.8 mm
View angle	• 82 ° (manufacturer data) • 78 ° (our tests result)	• 106 ° (manufacturer data) • 101 ° (our tests result)	• 104 ° (manufacturer data) • 101 ° (our tests result)	• 104 ° (manufacturer data) • 97 ° (our tests result)	• 101 ° (manufacturer data) • 96 ° (our tests result)	• 109 ° (manufacturer data) • 101 ° (our tests result)	• 109 ° (manufacturer data) • 104 ° (our tests result)
Video output	1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI, BNC socket	AHD / HD-CVI / HD-TVI / CVBS, 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	AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω	AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω - selectable by switch	1 Vpp / 75 Ω : AHD / HD-CVI / HD-TVI / CVBS
Mechanical protection class	...	...	...	...	...	...	...
Audio	...	...	...	...	...	Microphone built-in - HD-CVI only	• Microphone built-in, • Audio support via coaxial cable - HD-CVI only
Country of origin	...	...	...	China	...	...	...
OSD menu	–	–	OSD menu available via recorder	OSD menu available via Hikvision HD-TVI recorder	OSD menu available via recorder	OSD menu available via DAHUA recorder	OSD menu available via DAHUA recorder
SAP Code	300609197	300613493	300612680	300612682	300613699	...	...
Main features	• DNR - Digital Noise Reduction • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • Day/night mode • BLC - Back Light Compensation • 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	• 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	• 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 • AGC - Automatic Gain Control • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • Auto White Balance • Mirror - Mirror image • Sharpness - sharper image outlines	• WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • Auto White Balance • AGC - Automatic Gain Control • Sharpness - sharper image outlines • Mirror - Mirror image • Privacy zones - max. 8	• WDR - 130 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • ICR - Movable InfraRed filter • Day/night mode • AGC - Automatic Gain Control • Auto White Balance • Privacy zones - max. 8 • Mirror - Mirror image • Sharpness - sharper image outlines
Housing	Dome, Plastic	Dome, Plastic	Dome, Metal	Dome - Metal	Dome, Plastic	Dome, Metal	Dome, Metal + Plastic
Color	White	White	White	White	White	White	White
Vandal-proof	–	–	–	IK10	–	IK10	–
"Index of Protection"	IP44	IP67	IP67	IP67	–	IP67	IP67
Power supply	12 V DC / 330 mA	12 V DC / 250 mA	12 V DC / 280 mA	12 V DC / 280 mA	12 V DC / 190 mA	12 V DC / 225 mA	12 V DC / 425 mA
Power consumption	≤ 4 W	≤ 3 W	≤ 3.4 W	≤ 3.4 W	≤ 2.2 W	≤ 2.7 W	max. 5.1 W
Operation temp	-20 °C ... 45 °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	0.15 kg	0.21 kg	0.24 kg	0.47 kg	0.14 kg	0.33 kg	0.41 kg
Dimensions	Ø 98 x 66 mm	Ø 110 x 93 mm	91 x 83 x 68 mm	Ø 111 x 82 mm	Ø 85 x 79 mm	Ø 106 x 51 mm	Ø 122 x 99 mm
Supported languages	...	...	...	English	...	...	...
Manufacturer / Brand	Hikvision	Hikvision	Hikvision	Hikvision	Hikvision	DAHUA	DAHUA
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years	3 years