| | AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50C2-28W 2Mpx / 5Mpx 2.8 mm | AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50C2-36W 2Mpx / 5Mpx 3.6 mm | AHD, HD-CVI, HD-TVI, PAL CAMERA APTI-H50PC2-28W 2Mpx / 5Mpx 2.8 mm | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-B1A21-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-B2A21-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200D-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200R-0280B - 1080p 2.8 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200S-POC-0280B - 1080p 2.8 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200T-0280B - 1080p 2.8 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200T-0280B-BLACK - 1080p 2.8 mm DAHUA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | 25.35 EUR<br>31.18 EUR | 25.35 EUR<br>31.18 EUR | 19.28 EUR<br>23.71 EUR | 30.29 EUR<br>37.26 EUR | 36.22 EUR<br>44.55 EUR | 62.87 EUR<br>77.33 EUR | 36.22 EUR<br>44.55 EUR | 65.37 EUR<br>80.41 EUR | 43.50 EUR<br>53.51 EUR | 43.50 EUR<br>53.51 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, PAL | AHD, HD-CVI, HD-TVI, PAL | AHD / HD-CVI / HD-TVI / PAL | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, PAL |
| Sensor | 1/2.7 " 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 " Progressive Scan CMOS | 1/2.7 " CMOS | 1/2.7 " CMOS | 1/2.7 " CMOS |
| Matrix size | 5 Mpx | 5 Mpx | 5 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx |
| Resolution | • 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps / 12.5 fps,<br>• 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps,<br>• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps<br>• 960 x 576 - 960H @ PAL | • 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps / 12.5 fps,<br>• 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps<br>• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps<br>• 960 x 576 - 960H @ PAL | • 2592 x 1944 - 5 Mpx @ AHD / HD-TVI @ 20 fps / 12.5 fps ;<br>• 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI @ 25 fps,<br>• 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI @ 25 fps<br>• 960 x 576 - 960H @ PAL | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H, PAL | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H, PAL | 1920 x 1080 - 1080p | 1920 x 1080 - 1080p AHD-M, HD-CVI, HD-TVI<br>960 x 576 - 960H PAL | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H |
| Lens | 2.8 mm | 3.6 mm | 2.8 mm | 3.6 mm | 3.6 mm | 3.6 mm | 2.8 mm | 2.8 mm | 2.8 mm | 2.8 mm |
| View angle | • 95 ° (manufacturer data)<br>• 104 ° (our tests result) | • 83 ° (manufacturer data)<br>• 71 ° (our tests result) | • 95 ° (manufacturer data)<br>• 103 ° (our tests result) | • 93 ° (manufacturer data)<br>• 90 ° (our tests result) | • 93 ° (manufacturer data)<br>• 90 ° (our tests result) | 90 ° | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) |
| Range of IR illumination | 25 m | 25 m | 20 m | 20 m | 20 m | 80 m | 20 m | 30 m | 20 m | 20 m |
| IR illuminator power adjustment | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Audio | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| S/N ratio | ... | ... | ... | > 65 dB | ... | > 65 dB | ... | > 65 dB | > 65 dB | > 65 dB |
| 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 | AHD / HD-CVI / HD-TVI / 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 | AHD / HD-CVI / HD-TVI / 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 | AHD / HD-CVI / HD-TVI / PAL, 1 Vpp / 75 Ω |
| OSD menu | ✔ | ✔ | ✔ | OSD menu available via DAHUA recorder | OSD menu available via DAHUA recorder | — | ✔ | ✔ | ✔ | ✔ |
| Main features | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• BLC - Back Light Compensation<br>• Day/Night mode (color/b&w/auto)<br>• Auto White Balance<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• BLC - Back Light Compensation<br>• Day/Night mode (color/b&w/auto)<br>• Auto White Balance<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• BLC - Back Light Compensation<br>• Day/Night mode (color/b&w/auto)<br>• Auto White Balance<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• Anti-Flicker - The technology eliminates the tiring eyes flickering image effect<br>• ICR - Movable InfraRed filter<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Auto White Balance | • ICR - Movable InfraRed filter<br>• D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC - Back Light Compensation<br>• AGC - Automatic Gain Control<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance |
| Power supply | 12 V DC / 400 mA | 12 V DC / 400 mA | 12 V DC / 300 mA | 12 V DC / 220 mA | 12 V DC / 220 mA | 12 V DC / 410 mA | 12 V DC / 280 mA | • PoC,<br>• 12 V DC / 350 mA | 12 V DC / 270 mA | 12 V DC / 270 mA |
| Power consumption | ≤ 4.8 W | ≤ 4.8 W | ≤ 3.6 W | ≤ 2.7 W | ≤ 2.7 W | ≤ 5 W | ≤ 3.3 W | ≤ 4.2 W | ≤ 3.2 W | ≤ 3.2 W |
| SAP Code | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Housing | Compact - Aluminum | Compact - Aluminum | Compact - Plastic | Compact, Plastic | Compact, Aluminum | Compact, Metal | Compact, Plastic | Compact, Aluminum | Compact, Metal | Compact, Metal |
| Color | White | White | White + Black | White | White | White | White | White | White | Black |
| "Index of Protection" | IP66 | IP66 | IP66 | IP67 | IP67 | IP67 | IP67 | IP67 | IP67 | IP67 |
| Operation temp | -20 °C ... 60 °C | -10 °C ... 60 °C | -20 °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 | 0.3 kg | 0.3 kg | 0.16 kg | 0.14 kg | 0.25 kg | 0.62 kg | 0.14 kg | 0.37 kg | 0.35 kg | 0.36 kg |
| Dimensions | 157 x 66 x 68 mm | 157 x 66 x 68 mm | 162 x 70 x 70 mm | 149 x 70 x 70 mm | 158 x 70 x 70 mm | 242 x 90 x 90 mm | 154 x 70 x 70 mm | 165 x 70 x 72 mm | Ø 73 x 176 mm | Ø 73 x 176 mm |
| Supported languages | English | English | English | ... | ... | ... | ... | ... | ... | ... |
| Manufacturer / Brand | APTI | APTI | APTI | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA | DAHUA |
| Guarantee | 2 years | 2 years | 2 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years |

| | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200T-A-0280B-S4 - 1080p 2.8 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200TL-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1200TL-A-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1230D-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1230T-0280B - 1080p 2.8 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1230T-A-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1230TL-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW1230TL-A-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW2241E-A-0360B - 1080p 3.6 mm DAHUA | AHD, HD-CVI, HD-TVI, PAL CAMERA HAC-HFW2241T-I8-A-0360B - 1080p 3.6 mm DAHUA |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | 53.30 EUR<br>65.56 EUR | 41.23 EUR<br>50.71 EUR | 50.79 EUR<br>62.47 EUR | 70.15 EUR<br>86.28 EUR | 58.08 EUR<br>71.44 EUR | 61.73 EUR<br>75.93 EUR | 53.30 EUR<br>65.56 EUR | 61.73 EUR<br>75.93 EUR | 94.30 EUR<br>115.99 EUR | 112.52 EUR<br>138.40 EUR |
| Standard | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, CVBS | AHD, HD-CVI, HD-TVI, CVBS | HD-CVI, HD-TVI, AHD, 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 | AHD, HD-CVI, HD-TVI, CVBS |
| Sensor | 1/2.7 " CMOS | 1/2.7 " CMOS | 1/2.7 " CMOS | 1/2.8 " Progressive Scan CMOS | 1/2.8 " CMOS | 1/2.8 " CMOS | 1/2.8 " CMOS | 1/2.8 " CMOS | 1/2.8 " Progressive Scan CMOS | 1/2.8 " 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 | 2.1 Mpx | 2.1 Mpx |
| Resolution | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H, PAL | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p AHD, HD-CVI, HD-TVI ,<br>1280 x 720 - 720p AHD, HD-CVI, HD-TVI<br>960 x 576 - 960H PAL | 1920 x 1080 - 1080p AHD, HD-CVI, HD-TVI ,<br>1280 x 720 - 720p AHD, HD-CVI, HD-TVI<br>960 x 576 - 960H PAL |
| Lens | 2.8 mm | 3.6 mm | 3.6 mm | 3.6 mm | 2.8 mm | 3.6 mm | 3.6 mm | 3.6 mm | 3.6 mm | 3.6 mm |
| View angle | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) | • 88 ° (manufacturer data)<br>• 83 ° (our tests result) | • 88 ° (manufacturer data)<br>• 86 ° (our tests result) | • 87 ° (manufacturer data)<br>• 84 ° (our tests result) | • 106 ° (manufacturer data)<br>• 102 ° (our tests result) | • 87 ° (manufacturer data)<br>• 84 ° (our tests result) | • 87 ° (manufacturer data)<br>• 84 ° (our tests result) | • 87 ° (manufacturer data)<br>• 84 ° (our tests result) | • 87 ° (manufacturer data)<br>• 83 ° (our tests result) | • 87 ° (manufacturer data)<br>• 85 ° (our tests result) |
| Range of IR illumination | 30 m | 40 m | 80 m | 80 m | 30 m | 30 m | 40 m | 80 m | 40 m | 80 m |
| IR illuminator power adjustment | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Audio | ... | — | Microphone built-in, HD-CVI only | ... | — | Microphone built-in, HD-CVI only | — | Microphone built-in, HD-CVI only | External microphone input - HD-CVI only | • Microphone built-in - HD-CVI only,<br>• External microphone input - HD-CVI only |
| S/N ratio | > 65 dB | > 65 dB | > 65 dB | > 65 dB | ... | > 65 dB | > 65 dB | > 65 dB | > 65 dB | > 65 dB |
| 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 | 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 | 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 |
| OSD menu | ✔ | ✔ | ✔ | OSD menu available via recorder | ✔ | ✔ | ✔ | ✔ | ✔ | OSD menu available via DAHUA recorder |
| Main features | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• Anti-Flicker - The technology eliminates the tiring eyes flickering image effect<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Privacy zones<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Motion Detection<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• Anti-Flicker - The technology eliminates the tiring eyes flickering image effect<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Mirror - Mirror image<br>• Configurable Privacy Zones<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC - Back Light Compensation<br>• HLC - High Light Compensation (spot)<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC - Back Light Compensation<br>• HLC - High Light Compensation (spot)<br>• The "Starlight" series cameras provide a clear color image even at very poor lighting<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • WDR - 120 dB - Wide Dynamic Range<br>• F-DNR (Defog) - Reduction of image noise caused by precipitation<br>• 3D-DNR - Digital Noise Reduction<br>• BLC/HLC - Back Light / High Light Compensation<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Privacy zones<br>• Motion Detection<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines | • WDR - 120 dB - Wide Dynamic Range<br>• 2D-DNR, 3D-DNR - Digital Noise Reduction<br>• BLC - Back Light Compensation<br>• HLC - High Light Compensation (spot)<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Privacy zones<br>• Motion Detection<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines |
| Power supply | 12 V DC / 300 mA | 12 V DC / 250 mA | 12 V DC / 440 mA | 12 V DC / 460 mA | 12 V DC / 310 mA | 12 V DC / 310 mA | 12 V DC / 250 mA | 12 V DC / 440 mA | 12 V DC / 560 mA | 12 V DC / 840 mA |
| Power consumption | ≤ 3.6 W | ≤ 3 W | ≤ 5.3 W | ≤ 5.6 W | ≤ 3.7 W | ≤ 3.7 W | ≤ 3 W | ≤ 5.3 W | ≤ 6.7 W | ≤ 10.1 W |
| SAP Code | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Housing | Compact, Aluminum | Compact, Plastic | Compact, Plastic / Metal | Compact, Metal | Compact, Aluminum | Compact, Metal | Compact, Plastic / Metal | Compact, Plastic / Metal | Compact, Aluminum | Compact, Aluminum |
| Color | White | White | White | White | White | White | White | White | White | White |
| "Index of Protection" | IP67 | IP67 | 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 | -40 °C ... 60 °C | -40 °C ... 60 °C |
| Weight | 0.36 kg | 0.22 kg | 0.28 kg | 0.6 kg | 0.35 kg | 0.36 kg | 0.22 kg | 0.28 kg | 0.42 kg | 0.76 kg |
| Dimensions | 176 x 72 x 72 mm | 80 x 76 x 199 mm | 80 x 75 x 199 mm | 242 x 90 x 90 mm | Ø 73 x 177 mm | Ø 73 x 177 mm | 80 x 75 x 199 mm | 80 x 75 x 199 mm | 180 x 70 x 70 mm | 244 x 90 x 90 mm |
| Supported languages | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Manufacturer / Brand | DAHUA | DAHUA | 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 | 3 years | 3 years |

| | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D0T-IRPF(2.8MM) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D0T-IT3F(2.8MM)(C) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D0T-IT5F(3.6mm) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D8T-IT3F(2.8MM) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D8T-IT3F(3.6mm) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA DS-2CE16D8T-ITF(2.8mm) - 1080p Hikvision | AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-B-MT22800 - 1080p 2.8 mm | AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-TQE4200IR3-B - 1080p, 2.8 mm | AHD, HD-CVI, HD-TVI, PAL CAMERA BCS-TQE4200IR3-G - 1080p, 2.8 mm |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | 38.95 EUR<br>47.91 EUR | 56.49 EUR<br>69.48 EUR | 61.50 EUR<br>75.64 EUR | 77.44 EUR<br>95.25 EUR | 77.44 EUR<br>95.25 EUR | 64.46 EUR<br>79.29 EUR | 22.09 EUR<br>27.17 EUR | 46.69 EUR<br>57.43 EUR | 46.69 EUR<br>57.43 EUR |
| Standard | AHD / HD-CVI / HD-TVI / PAL | AHD / HD-CVI / HD-TVI / PAL | AHD / HD-CVI / HD-TVI / PAL | AHD / HD-CVI / HD-TVI / PAL | AHD / HD-CVI / HD-TVI / PAL | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, PAL | AHD, HD-CVI, HD-TVI, CVBS | 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 | 1/2.9 " CMOS | 1/2.9 " Sony CMOS IMX323 | 1/2.9 " Sony CMOS IMX323 |
| Matrix size | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2.1 Mpx | 2 Mpx | 2 Mpx |
| Resolution | 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI<br>960 x 576 @ PAL | 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI<br>960 x 576 - 960H @ PAL | 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI<br>960 x 576 - 960H, PAL | 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI<br>960 x 576 - 960H @ PAL | 1920 x 1080 - 1080p @ AHD / HD-CVI / HD-TVI<br>960 x 576 - 960H @ PAL | 1920 x 1080 - 1080p | 1920 x 1080 - 1080p<br>1280 x 720 - 720p<br>960 x 576 - 960H, PAL | 1920 x 1080 - 1080p ,<br>1280 x 720 - 720p<br>960 x 576 - 960H | 1920 x 1080 - 1080p ,<br>1280 x 720 - 720p<br>960 x 576 - 960H |
| Lens | 2.8 mm | 2.8 mm | 3.6 mm | 2.8 mm | 3.6 mm | 2.8 mm | 2.8 mm, F1.2 | 2.8 mm | 2.8 mm |
| View angle | • 103 ° (manufacturer data)<br>• 100 ° (our tests result) | • 106 ° (manufacturer data)<br>• 101 ° (our tests result) | • 82 ° (manufacturer data)<br>• 77 ° (our tests result) | • 104 ° (manufacturer data)<br>• 100 ° (our tests result) | • 79 ° (manufacturer data)<br>• 75 ° (our tests result) | • 104 ° (manufacturer data)<br>• 97 ° (our tests result) | • 91 ° (manufacturer data)<br>• 103 ° (our tests result) | • 91 ° (manufacturer data)<br>• 105 ° (our tests result) | • 91 ° (manufacturer data)<br>• 105 ° (our tests result) |
| Range of IR illumination | 20 m | 40 m | 80 m | 60 m | 60 m | 30 m | 30 m | 40 m | 40 m |
| IR illuminator power adjustment | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic |
| Audio | ... | ... | ... | ... | ... | ... | ... | — | — |
| S/N ratio | > 62 dB | ... | > 62 dB | ... | ... | ... | ... | ... | ... |
| Video output | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, BNC socket | 1 Vpp / 75 Ω - AHD / HD-CVI / HD-TVI / PAL, 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 |
| OSD menu | — | — | — | OSD menu available via recorder | OSD menu available via recorder | OSD menu available via Hikvision HD-TVI recorder | ✔ | ✔ | ✔ |
| Main features | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• IR illuminator optimization<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• BLC - Back Light Compensation | • D-WDR - Wide Dynamic Range<br>• 2D-DNR - Digital Noise Reduction<br>• 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<br>• BLC - Back Light Compensation<br>• HLC - High Light Compensation (spot)<br>• ICR - Movable InfraRed filter<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Sharpness - sharper image outlines | • DNR - Digital Noise Reduction<br>• 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<br>• ICR - Movable InfraRed filter<br>• BLC - Back Light Compensation<br>• AGC - Automatic Gain Control<br>• Auto White Balance | • WDR ≥ 130 dB - Wide Dynamic Range<br>• 2D-DNR, 3D-DNR - Digital Noise Reduction<br>• 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<br>• ICR - Movable InfraRed filter<br>• BLC - Back Light Compensation<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Motion Detection - max. 4 zones<br>• Privacy zones - max. 4<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines | • WDR ≥ 130 dB - Wide Dynamic Range<br>• 2D-DNR, 3D-DNR - Digital Noise Reduction<br>• 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<br>• ICR - Movable InfraRed filter<br>• BLC - Back Light Compensation<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Motion Detection - max. 4 zones<br>• Privacy zones - max. 4<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines | • WDR - 130 dB - Wide Dynamic Range<br>• 2D-DNR / 3D-DNR - Digital Noise Reduction<br>• 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<br>• Privacy zones - max. 4<br>• Motion Detection - max. 4 zones<br>• ICR - Movable InfraRed filter<br>• Mirror - Mirror image<br>• BLC/HLC - Back Light / High Light Compensation<br>• Auto White Balance<br>• Sharpness - sharper image outlines | • D-WDR - Wide Dynamic Range<br>• 2D-DNR, 3D-DNR - Digital Noise Reduction<br>• BLC - Back Light Compensation<br>• FLC - The technology eliminates the tiring eyes flickering image effect<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• ICR - Movable InfraRed filter<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance | • D-WDR - Wide Dynamic Range<br>• DNR - Digital Noise Reduction<br>• ICR - Movable InfraRed filter<br>• Sharpness - sharper image outlines<br>• AGC - Automatic Gain Control<br>• Privacy zones<br>• Mirror - Mirror image<br>• Auto White Balance |
| Power supply | 12 V DC / 330 mA | 12 V DC / 325 mA | 12 V DC / 500 mA | 12 V DC / 280 mA | 12 V DC / 280 mA | 12 V DC / 280 mA | 12 V DC / 420 mA | 12 V DC / 830 mA | 12 V DC / 830 mA |
| Power consumption | ≤ 4 W | ≤ 3.9 W | ≤ 6 W | ≤ 3.4 W | ≤ 3.4 W | ≤ 3.4 W | ≤ 5 W | ≤ 10 W | ≤ 10 W |
| SAP Code | 300507948 | 300511959 | 300507960 | 300511195 | 300511194 | 300511199 | ... | ... | ... |
| Housing | Compact, Plastic | Compact, Metal + Plastic | Compact, Metal | Compact, Metal | Compact, Metal | Compact, Metal | Compact, Metal | Compact, Plastic + Metal | Compact, Plastic / Metal |
| Color | White | White + Black | White / Black | White + Black | White + Black | White + Black | Graphite | White | Dark graphite |
| "Index of Protection" | IP66 | IP67 | IP66 | IP67 | IP67 | IP67 | IP66 | IP66 | IP66 |
| 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 | -20 °C ... 60 °C | -30 °C ... 60 °C | -30 °C ... 60 °C |
| Weight | 0.17 kg | 0.3 kg | 0.45 kg | 0.56 kg | 0.56 kg | 0.34 kg | 0.33 kg | 0.44 kg | 0.43 kg |
| Dimensions | Ø 70 x 155 mm | 185 x 79 x 75 mm | 226 x 87 x 82 mm | 226 x 87 x 82 mm | 226 x 87 x 82 mm | Ø 70 x 163 mm | 165 x 64 x 62 mm | Ø 69 x 185 mm | Ø 69 x 185 mm |
| Supported languages | — | — | — | English | English | English | ... | ... | ... |
| Manufacturer / Brand | Hikvision | Hikvision | Hikvision | Hikvision | Hikvision | Hikvision | BCS BASIC | BCS | BCS |
| Guarantee | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years | 3 years |

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00