






|                                   | IP CAMERA TC-C340N<br>SPEC:13/E/2.8MM/V5.0 -<br>4 Mpx 2.8 mm TIANDY   | IP CAMERA IPC2314SR-ADF40KM10-<br>4 Mpx 4 mm UNVIEW  | IP CAMERA IPC-HDW2449T-S-IL-0280B-BLACK WizSense - 4 Mpx 2.8 mm<br>DAHUA  | AHD, HD-CVI, HD-TVI, PAL<br>CAMERA HAC-HFW1500R-Z-IRE6-<br>A-2712-S2 - 5 Mpx 2.7 ... 12 mm -<br>MOTOZOOM DAHUA   | ACCESS CONTROLLER<br>ASC2202B-D DAHUA  |
|-----------------------------------|---|--|---|--|--|
|                                   |                                        |   |    |   |   |
|                                   | 922.83 NOK<br>922.83 NOK  | 2933.14 NOK<br>2933.14 NOK   | 2838.64 NOK<br>2838.64 NOK  | 1640.58 NOK<br>1640.58 NOK   | 2992.44 NOK<br>2992.44 NOK   |
| Number of served transitions      | ...   | ...  | ...   | ...  | 2 (two-way)  |
| Support                           | ...   | ...  | ...   | ...  | DAHUA  |
| Number of supported readers       | ...   | ...  | ...   | ...  | 4 pcs  |
| Battery backup support            | ...   | ...  | ...   | ...  | —  |
| Standard                          | IP  | TCP/IP   | TCP/IP  | AHD / HD-CVI / HD-TVI / PAL  | ...  |
| Output lines                      | ...   | ...  | ...   | ...  | 4 pcs - Relay  |
| Matrix size                       | ...   | 4 Mpx  | 4 Mpx   | 5 Mpx  | ...  |
| Communication                     | ...   | ...  | ...   | ...  | • RS-485,<br>• Ethernet,<br>• Wiegand  |
| Sensor                            | 1/3 " Progressive Scan CMOS   | 1/2.7 " Progressive Scan CMOS  | 1/2.9 " Progressive Scan CMOS   | 1/2.7 " Progressive Scan CMOS  | ...  |
| Main features                     | ...   | ...  | ...   | ...  | <ul style="list-style-type: none"> <li>• 100000 indexed users</li> <li>• History of 500000 events</li> <li>• Remote programming from PC</li> <li>• Function of protection against multiple use of the same card for access (anti-passback)</li> <li>• Counter of the door opening time with the possibility of sending an alarm signal after exceeding the set value</li> <li>• Automatic sending of alarm messages to the SmartPSS system or after entering a code, card or fingerprint defined as door opening under duress</li> <li>• Possibility to mount on a wall, or on the DIN TS-35 rail</li> </ul> |
| Resolution                        | 2688 x 1520 - 4 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p ,<br>1280 x 720 - 720p | 2688 x 1520 - 4 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p   | 2688 x 1520 - 4 Mpx ,<br>2560 x 1440 - 3.7 Mpx ,<br>2304 x 1296 - 3 Mpx ,<br>1920 x 1080 - 1080p ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p | <ul style="list-style-type: none"> <li>• 2880 x 1620 - 5 Mpx @ HD-CVI - 25 fps : Aspect Ratio 16 : 9</li> <li>• 2560 x 1440 - 4 Mpx @ AHD / HD-CVI / HD-TVI - 25 fps</li> <li>• 1920 x 1080 - 1080p @ HD-CVI - 25 fps</li> <li>• 960 x 576 - 960H @ PAL</li> </ul> | ...  |
| White light LED illuminator range | ...   | ...  | 30 m  | ...  | ...  |
| Operation temp                    | ...   | ...  | ...   | ...  | -30 °C ... 60 °C   |
| Permissible relative humidity     | ...   | ...  | ...   | ...  | max. 95 % (non-condensing)   |
| Interface                         | 10/100 Base-TX (RJ-45)  | ...  | ...   | ...  | ...  |
| Video output                      | ...   | ...  | ...   | AHD / HD-CVI / HD-TVI / CVBS, 1 Vpp / 75 Ω   | ...  |
| Memory card slot                  | —   | Micro SD memory cards up to 256GB support (possible local recording)   | Micro SD memory cards up to 256GB support (possible local recording)  | ...  | ...  |
| Lens                              | 2.8 mm  | 4 mm   | 2.8 mm  | 2.7 ... 12 mm · Motozoom   | ...  |
| Access from PC                    | Port no.: 3000 or access by a cloud (P2P) - PC; Free application <a href="#">Easy7 Smart Client Express</a>             | ...  | ...   | ...  | ...  |
| Image compression method          | S+265 / H.265 / H.264   | Ultra 265 / H.265 / H.264 / MJPEG  | H.265+ / H.265 / H.264+ / H.264 / H.264H / H.264B / MJPEG   | ...  | ...  |
| RS-485 interface                  | ...   | ...  | ...   | ...  | ...  |
| Alarm inputs / outputs            | —   | 1/1  | —   | ...  | ...  |
| View angle                        | 92 °  | <ul style="list-style-type: none"> <li>• 84 ° (manufacturer data)</li> <li>• 80 ° (our tests result)</li> </ul>                              | <ul style="list-style-type: none"> <li>• 95 ° (manufacturer data)</li> <li>• 97 ° (our tests result)</li> </ul>                                   | <ul style="list-style-type: none"> <li>• 107 ° ... 34 ° (manufacturer data)</li> <li>• 102 ° ... 35 ° @ HD-CVI (our tests result)</li> <li>• 90 ° ... 31 ° @ AHD / HD-CVI (our tests result)</li> </ul>  | ...  |
| S/N ratio                         | ...   | > 56 dB  | ...   | > 65 dB  | ...  |
| Main stream frame rate            | 20 fps @ 4 Mpx  | 25 fps @ 4 Mpx   | 20 fps @ 4 Mpx<br>25 fps @ 3.7 Mpx  | ...  | ...  |
| Range of IR illumination          | 30 m  | 80 m   | 30 m  | 60 m   | ...  |
| Intelligent image analysis        | —   | ...  | ...   | ...  | ...  |
| Network interface                 | ...   | 10/100 Base-T (RJ-45)  | 10/100 Base-T (RJ-45)   | ...  | ...  |
| IR illuminator power adjustment   | ...   | ...  | ...   | Automatic  | ...  |
| Audio                             | <ul style="list-style-type: none"> <li>• Microphone built-in</li> <li>• Audio transmission via network</li> </ul>       | <ul style="list-style-type: none"> <li>• Microphone built-in</li> <li>• Audio transmission via network</li> <li>• Audio detection</li> </ul> | Microphone built-in   | Microphone built-in - HD-CVI only  | ...  |
| Mechanical protection class       | —   | ...  | ...   | ...  | ...  |
| OSD menu                          | ...   | ...  | ...   | ✓  | ...  |
| Network protocols                 | ...   | ...  | IPv4/IPv6, HTTP, TCP, UDP, ARP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, NTP, Multicast, ICMP, IGMP                               | ...  | ...  |

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|                               |   |   |  |   |  |
|-------------------------------|---|---|--|---|--|
| WEB Server                    | Built-in  | Built-in  | Built-in   | ...   | ...  |
| Max. number of on-line users  | 2   | 32  | 6  | ...   | ...  |
| ONVIF                         | ✓   | ✓   | 21.12  | ...   | ...  |
| Mobile phones support         | Port no.: 3000 or access by a cloud (P2P)<br>• Android: Free application <a href="#">EasyLive Plus</a><br>• iOS (iPhone): Free application <a href="#">EasyLive Plus</a>  | Access by a cloud (P2P)<br>• Android: Free application <a href="#">EZView</a><br>• iOS (iPhone): Free application <a href="#">EZView</a>  | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application <a href="#">DMSS</a><br>• iOS (iPhone): Free application <a href="#">DMSS</a>  | ...   | ...  |
| Default IP address            | DHCP or 192.168.1.2   | DHCP or 192.168.1.13  | 192.168.1.108  | ...   | 192.168.0.2  |
| Default admin user / password | admin / -<br>The administrator password should be set at the first start  | admin / 123456  | admin / -<br>The administrator password should be set at the first start   | ...   | admin / -<br>The administrator password should be set at the first start |
| Web browser access ports      | 80, 3000, 3001  | 80, 554   | 80, 37777  | ...   | ...  |
| PC client access ports        | 3000, 3001  | Port no.: 80 or access by a cloud (P2P) - PC: Free application <a href="#">EZStation</a>  | 37777  | ...   | ...  |
| Mobile client access ports    | 3000, 3001  | 80  | 37777  | ...   | ...  |
| Port ONVIF                    | 80  | 80  | 80   | ...   | ...  |
| RTSP URL                      | ...   | rtsp://192.168.1.13:554/unicast/c1/s0/live<br>- Main stream<br>rtsp://192.168.1.13:554/unicast/c1/s1/live<br>- Sub stream   | rtsp://admin.haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0<br>- Main stream<br>rtsp://admin.haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1<br>- Sub stream  | ...   | ...  |
| Main features                 | <ul style="list-style-type: none"> <li>• D-WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• ICR - Movable InfraRed filter</li> <li>• Day/night mode</li> <li>• Motion Detection</li> </ul> | <ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 2D-DNR, 3D-DNR - Digital Noise Reduction</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• ANR - Automatic Network Replenishment allows to save image to the card when the network connection with DVR is break (network failure) and next synchronize its</li> <li>• NAS - Network Attached Storage support</li> <li>• Corridor mode - useful for monitoring corridors, entrance gates and narrow rooms</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Image rotation and mirror</li> <li>• Privacy zones - max. 4</li> <li>• Motion detection with human/vehicle silhouette recognition</li> <li>• Sharpness - sharper image outlines</li> <li>• Intelligent image analysis : intrusion, crossing the line (tripwire), detection of entry into the area / exit from the area, face detection, people counting, crowd gathering estimation</li> </ul> | <ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Possibility to change the resolution, quality and bit rate</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• ICR - Movable InfraRed filter</li> <li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li> <li>• AGC - Automatic Gain Control</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones</li> <li>• Mirror - Mirror image</li> <li>• Full Color - colorful night mode</li> <li>• SMD PLUS - searching for an object classified as: human, motor vehicle</li> <li>• IVS analysis : intrusion, crossing the line (tripwire) - classification of people and vehicles video tampering</li> </ul> | <ul style="list-style-type: none"> <li>• Motozoom lens - The camera does not have auto-focus function</li> <li>• D-WDR - Wide Dynamic Range</li> <li>• 2D-DNR - Digital Noise Reduction</li> <li>• Anti-Flicker - The technology eliminates the tiring eyes flickering image effect</li> <li>• BLC - Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• AGC - Automatic Gain Control</li> <li>• ICR - Movable InfraRed filter</li> <li>• Privacy zones - max. 8</li> <li>• Mirror - Mirror image</li> <li>• Auto White Balance</li> <li>• Sharpness - sharper image outlines</li> </ul> | ...  |
| Housing                       | Compact - Metal + Plastic   | Compact, Metal  | Dome - Metal + Plastic   | Compact, Metal  | ...  |
| Color                         | White   | White   | Black  | White   | ...  |
| "Index of Protection"         | IP67  | IP67  | IP67   | IP67  | ...  |
| Vandal-proof                  | ...   | ---   | ---  | ---   | ...  |
| Power supply                  | PoE (802.3af)   | • PoE (802.3af),<br>• 12 V DC / 580 mA  | • PoE (802.3af),<br>• 12 V DC / 330 mA   | 12 V DC / 820 mA  | • PoE (802.3af),<br>• 12 V DC / 1.4 A                                    |
| Power consumption             | ≤ 6 W   | ≤ 7 W   | • ≤ 4.4 W @ 12 V DC<br>• ≤ 5.2 W @ PoE   | ≤ 9.8 W   | ...  |
| Operation temp                | -30 °C ... 60 °C  | -30 °C ... 60 °C  | -40 °C ... 60 °C   | -30 °C ... 60 °C  | ...  |
| Weight                        | 0.21 kg   | 0.5 kg  | 0.39 kg  | 0.55 kg   | 0.4 kg   |
| Dimensions                    | 164 x 73 x 73 mm  | 206 x 74 x 74 mm  | Ø 110 x 101 mm   | 210 x 90 x 90 mm  | 210 x 106 x 50 mm  |
| Supported languages           | Polish, English, Albanian, Arabic, Spanish, Korean, French, Dutch, Hebrew, German, Portuguese, Russian, Thai, Turkish, Ukrainian, Vietnamese, Italian   | Polish, English, Czech, Spanish, Dutch, French, German, Portuguese, Slovak, Hungarian, Italian  | Polish, English, Czech, French, Spanish, Dutch, German, Russian, Portuguese, Romanian, Turkish, Ukrainian, Hungarian, Italian  | ...   | ...  |
| Manufacturer / Brand          | TIANDY  | UNIVIEW   | DAHUA  | DAHUA   | DAHUA  |
| Guarantee                     | 3 years   | 3 years   | 3 years  | 3 years   | 3 years  |



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