







|                                 | NO-TOUCH DOOR EXIT<br>BUTTON PW-C3/IP68 IP68   | NO-TOUCH DOOR EXIT<br>BUTTON ATLO-NB-18   | AHD, HD-CVI, HD-TVI, PAL<br>CAMERA HAC-HDW2241TMO-<br>A-0280B-S2-DIP - 1080p 2.8 mm<br>DAHUA                      | BUFFERED SWITCHING<br>POWER SUPPLY ADAPTER<br>AUPS-70-120-F ATTE  | NVR APTI-N6428AI-I3.64<br>CHANNELS  | DOOR EXIT BUTTON<br>PW-86E  |
|---------------------------------|--|---|---|---|---|---|
|                                 |   |                      |                                  |    |    |  |
|                                 | 62.90 PLN<br>62.90 PLN   | 33.41 PLN<br>33.41 PLN  | 542.00 PLN<br>542.00 PLN  | 439.00 PLN<br>439.00 PLN  | 1680.00 PLN<br>1680.00 PLN  | 122.40 PLN<br>122.40 PLN  |
| Adapter type                    | ...  | ...   | ...   | Transforming  | ...   | ...   |
| Contact type                    | NO, NC   | NO, NC  | ...   | ...   | ...   | NO/NC, monostable   |
| Supported resolutions           | ...  | ...   | ...   | ...   | max. 12 Mpx - 4000 x 3000 px  | ...   |
| Standard                        | ...  | ...   | HD-CVI, HD-TVI, AHD, CVBS   | ...   | TCP/IP  | ...   |
| Input voltage                   | ...  | ...   | ...   | 190 ... 260 V AC / 50 Hz  | ...   | ...   |
| Detection range                 | 50 mm ... 200 mm   | 0 mm ... 120 mm   | ...   | ...   | ...   | ...   |
| Sensor                          | ...  | ...   | Progressive Scan CMOS   | ...   | ...   | ...   |
| Video outputs                   | ...  | ...   | ...   | ...   | <ul style="list-style-type: none"> <li>• 1 pcs HDMI 4K</li> <li>• 1 pcs HDMI</li> <li>• 1 pcs VGA</li> </ul>  | ...   |
| Matrix size                     | ...  | ...   | 2.1 Mpx   | ...   | ...   | ...   |
| Relay maximal load              | ...  | 3 A / 30 V DC   | ...   | ...   | ...   | 3 A / 36 V DC   |
| Output voltage                  | ...  | ...   | ...   | 10.2 ... 13.8 V DC (buffer operation)   | ...   | ...   |
| Max. output current (total)     | ...  | ...   | ...   | 6 A (continuous operation)  | ...   | ...   |
| Audio support                   | ...  | ...   | ...   | ...   | <ul style="list-style-type: none"> <li>• 64 Channels - Audio from cameras,</li> <li>• Bi-directional audio streaming support</li> <li>• Compliance with the AAC standard</li> </ul> | ...   |
| Battery charging current        | ...  | ...   | ...   | 1 A / 2 A - Jumper on JP1   | ...   | ...   |
| Audio inputs                    | ...  | ...   | ...   | ...   | 1 pcs CINCH   | ...   |
| Resolution                      | ...  | ...   | 1920 x 1080 - 1080p,<br>960 x 576 - 960H, PAL   | ...   | ...   | ...   |
| Power                           | ...  | ...   | ...   | 72 W (continuous operation)   | ...   | ...   |
| Audio outputs                   | ...  | ...   | ...   | ...   | 1 pcs CINCH   | ...   |
| Range of IR illumination        | ...  | ...   | 60 m  | ...   | ...   | ...   |
| Number of outputs               | ...  | ...   | ...   | 1   | ...   | ...   |
| IR illuminator power adjustment | ...  | ...   | Automatic   | ...   | ...   | ...   |
| Current consumption             | <ul style="list-style-type: none"> <li>• 20 mA (Standby mode)</li> <li>• 40 mA (operation)</li> </ul>                            | <ul style="list-style-type: none"> <li>• 20 mA (Standby mode)</li> <li>• 40 mA (operation)</li> </ul> | ...   | ...   | ...   | ...   |
| Lens                            | ...  | ...   | 2.8 mm  | ...   | ...   | ...   |
| Material                        | Aluminum + Plastic   | Aluminum + Plastic  | ...   | ...   | ...   | Metal + Plastic   |
| Image compression method        | ...  | ...   | ...   | ...   | H.265+ / H.265 / H.264+ / H.264   | ...   |
| Bitrate                         | ...  | ...   | ...   | ...   | 640 Mbps  | ...   |
| View angle                      | ...  | ...   | <ul style="list-style-type: none"> <li>• 109 ° (manufacturer data)</li> <li>• 104 ° (our tests result)</li> </ul> | ...   | ...   | ...   |
| Supported hard drives           | ...  | ...   | ...   | ...   | 8 x 10 TB SATA + 1 x eSATA  | ...   |
| Recording modes                 | ...  | ...   | ...   | ...   | Manual, Sensor, Motion detection, Schedule  | ...   |
| External storage devices backup | ...  | ...   | ...   | ...   | Records backup at (.avi) format to USB (pendrive)   | ...   |
| Video output                    | ...  | ...   | 1 Vpp / 75 Ω : AHD / HD-CVI / HD-TVI / CVBS   | ...   | ...   | ...   |
| Main features                   | <ul style="list-style-type: none"> <li>• Blue backlight + green,</li> <li>• Adjusting the opening time : 0.3 ... 30 s</li> </ul> | Blue backlight + green  | ...   | <ul style="list-style-type: none"> <li>• LED indication</li> <li>• Efficiency : 90 % @ 70 W</li> <li>• Technical outputs of the OC type signaling loss of voltage at the PSU output (OUF) and loss of voltage in the 230V mains (ACF)</li> <li>• Main cable entries on the back of the enclosure</li> <li>• Raster module mounting system (compatible with ATTE devices) - 10.8 mm raster</li> <li>• Wall mounting</li> <li>• For indoor use</li> <li>• "Index of Protection" : IP20</li> </ul> | ...   | ...   |

|                                    |       |                |       |                                       |   |       |
|------------------------------------|-------|----------------|-------|---------------------------------------|---|-------|
| Searching and playback the records | ...   | ...            | ...   | ...                                   | Records searching: timeline or file list. Playback: forward, fast<br>Playback max. 16 cameras in the same time @ 1080p  | ...   |
| Network interface                  | ...   | ...            | ...   | ...                                   | 2 x RJ-45 10/100/1000 Base-TX   | ...   |
| Audio                              | ...   | ...            | ...   | ...                                   | • Microphone built-in,<br>• Audio support via coaxial cable - HD-CVI only   | ...   |
| Network functions                  | ...   | ...            | ...   | ...                                   | Network Client Software and IE browser: live view, playback and backup of the records, configuration of the recorder parameters   | ...   |
| Protections                        | ...   | ...            | ...   | ...                                   | • Short-circuit<br>• Overload<br>• Overvoltage<br>• Overheat<br>• Tamper<br>• Reverse polarity connection<br>• Discharge<br>• Overcharge  | ...   |
| Adapter operation control          | ...   | ...            | ...   | ...                                   | • AC input voltage presence indication AC<br>• DC output voltage presence indication DC<br>• Battery charging indication (internal)   | ...   |
| OSD menu                           | ...   | ...            | ...   | OSD menu available via DAHUA recorder | ...   | ...   |
| Place for battery                  | ...   | ...            | ...   | ...                                   | 12 V / 7 ... 18 Ah  | ...   |
| Max. battery dimensions            | ...   | ...            | ...   | ...                                   | 220 x 170 x 100 mm  | ...   |
| Network protocols                  | ...   | ...            | ...   | ...                                   | IPv6, TCP/IP, HTTP, HTTPS, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, P2P, PPPoE  | ...   |
| ONVIF                              | ...   | ...            | ...   | ...                                   | ✓   | ...   |
| Default IP address                 | ...   | ...            | ...   | ...                                   | 192.168.1.88  | ...   |
| Housing                            | ...   | ...            | ...   | Dome, Metal + Plastic                 | ...   | ...   |
| Default admin user / password      | ...   | ...            | ...   | ...                                   | admin / 12345   | ...   |
| "Index of Protection"              | IP68  | IP40           | IP67  | ...                                   | ...   | IP65  |
| Color                              | Black | Silver + Black | White | ...                                   | ...   | Green |
| Web browser access ports           | ...   | ...            | ...   | ...                                   | 80, 5000, 554   | ...   |
| Vandal-proof                       | ...   | ...            | ...   | ...                                   | —   | ...   |
| PC client access ports             | ...   | ...            | ...   | ...                                   | 80, 5000, 554   | ...   |
| Operation temp                     | ...   | ...            | ...   | -40 °C ... 60 °C                      | ...   | ...   |
| Mobile phones support              | ...   | ...            | ...   | ...                                   | Access by a cloud (P2P)<br>• Android: Free application <a href="#">BitVision</a> , Android: Free application <a href="#">iVMS320</a><br>• Android: Free application <a href="#">BitVision</a> , iOS: Free application <a href="#">iVMS320</a>   | ...   |
| USB                                | ...   | ...            | ...   | ...                                   | • 2 pcs USB 2.0<br>• 1 pcs USB 3.0  | ...   |
| Serial ports                       | ...   | ...            | ...   | ...                                   | RS-485  | ...   |
| Alarm inputs / outputs             | ...   | ...            | ...   | ...                                   | 16 / 4  | ...   |
| PTZ control                        | ...   | ...            | ...   | ...                                   | • IP Speed Dome Cameras<br>• RS-485 control   | ...   |
| Motion Detection                   | ...   | ...            | ...   | ...                                   | Split the screen into zones : 22 x 18 motion zones  | ...   |
| Intelligent image analysis         | ...   | ...            | ...   | ...                                   | ✓   | ...   |
| Main features                      | ...   | ...            | ...   | ...                                   | • WDR - 130 dB - Wide Dynamic Range<br>• 3D-DNR - Digital Noise Reduction<br>• BLC - configurable Back Light Compensation<br>• HLC - High Light Compensation (spot)<br>• ICR - Movable InfraRed filter<br>• Day/night mode<br>• AGC - Automatic Gain Control<br>• Auto White Balance<br>• Privacy zones - max. 8<br>• Mirror - Mirror image<br>• Sharpness - sharper image outlines | ...   |
| Mouse support                      | ...   | ...            | ...   | ...                                   | ✓   | ...   |

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|                                 |                  |                  |                  |                   |  |                 |
|---------------------------------|------------------|------------------|------------------|-------------------|--|-----------------|
| IR remote controller in the set | ...              | ...              | ...              | ...               | ---  | ...             |
| Switch PoE                      | ...              | ...              | ...              | ...               | ---  | ...             |
| Power supply                    | 12 ... 24 V DC   | 12 V DC          | 12 V DC / 425 mA | ...               | 100 ... 240 V AC, 50 / 60 Hz   | ...             |
| Power consumption               | ...              | ...              | max. 5.1 W       | ...               | ≤ 20 W (without HDD)   | ...             |
| Operation temp                  | ...              | ...              | ...              | -25 ... 50 °C     | -10 °C ... 50 °C   | ...             |
| Weight                          | 0.06 kg          | 0.07 kg          | 0.41 kg          | 2.3 kg            | 7.46 kg  | 0.25 kg         |
| Dimensions                      | 115 x 40 x 15 mm | 70 x 115 x 28 mm | Ø 122 x 99 mm    | 325 x 305 x 88 mm | 440 x 430 x 100 mm   | 89 x 89 x 40 mm |
| Supported languages             | ...              | ...              | ...              | ...               | Polish, English, Czech, French, Greek, Spanish, Dutch, German, Portuguese, Russian, Ukrainian, Italian | ...             |
| Manufacturer / Brand            | ...              | ATLO             | DAHUA            | ATTE              | APTI   | ...             |
| Guarantee                       | 2 years          | 2 years          | 3 years          | 3 years           | 2 years  | 2 years         |



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