

Code: KIT/NVR1B04-4P-1T/4-B1B20-0280B

## SURVEILLANCE KIT **KIT/NVR1B04-4P-1T/4-B1B20-0280B** 4 CHANNELS EZ-IP - 1080p 2.8 mm DAHUA

The video surveillance kit consists of 4 cameras and a recorder with a power supply adapter.

The H.265 video compression standard using to record video data, allows to get the best possible quality of recorded image at minimal network transfer and disk storage capacity. The menu options layout has been designed for all users, even beginners can easy navigate and change parameters in DVR settings without any problem.

**Attention!** The kit includes a 1 TB hard disk mounted in the recorder.



|                                     |                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                           | TCP/IP                                                                                                                                                                                                     |
| Supported resolutions:              | max. 8.3 Mpx - 3840 x 2160 px, 4K UHD                                                                                                                                                                      |
| Video outputs:                      | 1 pcs HDMI<br>1 pcs VGA                                                                                                                                                                                    |
| Audio support:                      | 4 Channels - Audio from cameras                                                                                                                                                                            |
| Audio inputs:                       | 1 pcs CINCH - External microphone input                                                                                                                                                                    |
| Audio outputs:                      | 1 pcs CINCH                                                                                                                                                                                                |
| Image compression method:           | H.265+ / H.265 / H.264+ / H.264                                                                                                                                                                            |
| Supported hard drives:              | 1 x 6 TB SATA - 1 TB included                                                                                                                                                                              |
| Recording modes:                    | Manual, Motion Detection, Schedule                                                                                                                                                                         |
| Network protocols:                  | HTTP, HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, DDNS, IP Filter, IP Search, P2P, ONVIF                                                                                                          |
| External storage devices backup:    | Backup to USB drive (pendrive, external drive)                                                                                                                                                             |
| Searching and playback the records: | Records searching: by time and events type. Records playback: forward, backward, fast, slow<br>Advanced searching (to the one second accuracy)<br>All channels synchronous playback, Smart Search function |



# DATA SHEET

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|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network functions:               | Full support via network, Remote records copying, Web Server built-in<br>max. 128 on-line users                                                                                                                                                                  |
| Bitrate:                         | max. 80 Mbps                                                                                                                                                                                                                                                     |
| Default IP address:              | 192.168.1.108                                                                                                                                                                                                                                                    |
| Default admin user / password:   | admin / -<br>The administrator password should be set at the first start                                                                                                                                                                                         |
| RTSP URL:                        | rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream                                                                                  |
| Web browser access ports:        | 80, 37777                                                                                                                                                                                                                                                        |
| PC client access ports:          | 37777                                                                                                                                                                                                                                                            |
| Mobile client access ports:      | 37777                                                                                                                                                                                                                                                            |
| Mobile phones support:           | 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><br><br>See how to configure the P2P function in Dahua recorders and how to enable the mobile application |
| Alarm inputs / outputs:          | —                                                                                                                                                                                                                                                                |
| PTZ control:                     | IP Speed Dome Cameras                                                                                                                                                                                                                                            |
| Motion Detection:                | 22 x 18 motion zones                                                                                                                                                                                                                                             |
| USB:                             | 2 pcs USB 2.0                                                                                                                                                                                                                                                    |
| Mouse support:                   | ✓                                                                                                                                                                                                                                                                |
| IR remote controller in the set: | —                                                                                                                                                                                                                                                                |
| Switch PoE:                      | Built-in 4-port switch 25.5 W / Channel, PoE (802.3af/at)                                                                                                                                                                                                        |
| Maximum total switch load:       | 50 W (at full load)                                                                                                                                                                                                                                              |
| Power supply:                    | 48 V DC / 1.25 A                                                                                                                                                                                                                                                 |
| Weight:                          | 0.48 kg                                                                                                                                                                                                                                                          |
| Dimensions:                      | 205 x 205 x 48 mm                                                                                                                                                                                                                                                |
| Supported languages:             | Polish, English, Czech                                                                                                                                                                                                                                           |

## Camera:

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| Standard:    | TCP/IP                                                               |
| Sensor:      | 1/2.7 " Progressive Scan CMOS                                        |
| Matrix size: | 2.1 Mpx                                                              |
| Resolution:  | 1920 x 1080 - 1080p ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p |



# DATA SHEET

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|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation modes:               | Main and sub streams may be in any configuration<br>Firmware 2.622.0000000.8.R, build: 2018-07-25<br>• Main stream : 1920 x 1080, 1280 x 960, 1280 x 720<br>• Sub stream : 704 x 576, 640 x 480, 352 x 288 |
| Lens:                          | 2.8 mm                                                                                                                                                                                                     |
| View angle:                    | • 115 ° (manufacturer data)<br>• 111 ° (our tests result)                                                                                                                                                  |
| Compression:                   | H.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                                    |
| S/N ratio:                     | > 50 dB                                                                                                                                                                                                    |
| Range of IR illumination:      | 30 m                                                                                                                                                                                                       |
| Alarm inputs / outputs:        | —                                                                                                                                                                                                          |
| Bitrate:                       | 32 ... 8192 kbps - H.264<br>12 ... 6400 kbps - H.265                                                                                                                                                       |
| Main stream frame rate:        | 25 fps - 1080p                                                                                                                                                                                             |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                      |
| Network protocols:             | HTTP, TCP, ARP, RTSP, RTP, RTCP, UDP, DHCP, DNS, IPv4, NTP, Multicast, ICMP, TLS                                                                                                                           |
| Audio:                         | —                                                                                                                                                                                                          |
| WEB Server:                    | Built-in, NVR compliance                                                                                                                                                                                   |
| Memory card slot:              | —                                                                                                                                                                                                          |
| Max. number of on-line users:  | 20                                                                                                                                                                                                         |
| ONVIF:                         | 16.12                                                                                                                                                                                                      |
| Mobile phones support:         | 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:            | 192.168.1.108                                                                                                                                                                                              |
| Default admin user / password: | admin / -<br>The administrator password should be set at the first start                                                                                                                                   |
| Web browser access ports:      | 80, 37777                                                                                                                                                                                                  |
| PC client access ports:        | 37777                                                                                                                                                                                                      |
| Mobile client access ports:    | 37777                                                                                                                                                                                                      |
| Port ONVIF:                    | 80                                                                                                                                                                                                         |
| RTSP URL:                      | rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream                            |
| RS-485 interface:              | —                                                                                                                                                                                                          |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main features:         | <ul style="list-style-type: none"> <li>• D-WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• BLC - Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• ICR - Movable InfraRed filter</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Privacy zones - max. 4</li> <li>• Motion Detection - max. 4 zones</li> <li>• Mirror - Mirror image</li> <li>• Sharpness - sharper image outlines</li> </ul> |
| Power supply:          | <ul style="list-style-type: none"> <li>• PoE (802.3af),</li> <li>• 12 V DC / 350 mA</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power consumption:     | ≤ 4.2 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Housing:               | Compact, Metal + Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Color:                 | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| "Index of Protection": | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operation temp:        | -30 °C ... 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Weight:                | 0.23 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dimensions:            | Ø 70 x 163 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Supported languages:   | Polish, English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## General information:

|                       |                               |
|-----------------------|-------------------------------|
| Cameras amount:       | 4 pcs                         |
| Connecting cable:     | 4 x 18.3 m - UTP cat. 5e RJ45 |
| Power adapter:        | 1 pcs : 48 V / 1.25 A         |
| Country of origin:    | China                         |
| Manufacturer / Brand: | DAHUA                         |
| Guarantee:            | <b>3 years</b>                |