

Code: APTI-KIT-WIFI-21C2

## SURVEILLANCE KIT **APTI-KIT-WIFI-21C2** Wi-Fi, 4 CHANNELS - 1080p

The surveillance kit includes 4 cameras, Wi-Fi DVR with Seagate 1TB hard disk, and 4 power adapters DC 12V/500mA for independent camera power supply. The kit has been pre-configured in a way that allows to start working immediately after removing from the box and connecting the power supply. The H.265 / H.264 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.

Network Video Recorder allowing to operate with Wi-Fi Apti cameras supported 802.11 b/g/n standards. The menu options layout has been designed for all users, even beginners can easy navigate and change parameters in DVR settings without any problem.

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 1920 x 1080 (1080p). The used Wi-Fi module allows to remote communication with camera for max. distance up to 300 m. In fact, it is a range of several dozen meters and depends on obstacles between the antennas. Camera is according to IP66 Index of Protection norm.

**Attention!** The DVR has installed the Seagate 1TB ST1000VX005 hard disk.



|                                     |                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                           | TCP/IP                                                                                                                                  |
| Supported resolutions:              | max. 5 Mpx - 2592 x 1944 px                                                                                                             |
| Audio support:                      | 4 Channels - Audio from cameras                                                                                                         |
| Video outputs:                      | 1 pcs HDMI<br>1 pcs VGA                                                                                                                 |
| Audio inputs:                       | —                                                                                                                                       |
| Audio outputs:                      | 1 pcs Jack 3.5 mm socket                                                                                                                |
| Image compression method:           | H.265 / H.265+ / H.264 / H.264+                                                                                                         |
| Supported hard drives:              | 1 x 8 TB SATA, included 1 TB Seagate                                                                                                    |
| Recording modes:                    | Manual, Motion Detection, Schedule                                                                                                      |
| Network protocols:                  | ONVIF, Private                                                                                                                          |
| External storage devices backup:    | Records backup at (.avi) format to USB (pendrive)                                                                                       |
| Searching and playback the records: | Records searching: timeline or file list. Playback: forward, fast<br>Channels played simultaneously : 1 @ 5 Mpx / 2 @ 3 Mpx / 4 @ 1080p |



# DATA SHEET

|                                  |                                                                                                                                                                                                                                                                               |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network functions:               | Network Client Software and IE browser: live view, playback and backup of the records, configuration of the recorder parameters<br>Full support via network, Remote records copying, Web Server built-in<br>Wi-Fi : 2.4 GHz - Apti cameras support, Range : 300 m (open area) |
| Bitrate:                         | 28 Mbps                                                                                                                                                                                                                                                                       |
| ONVIF:                           | 2.4                                                                                                                                                                                                                                                                           |
| Mobile phones support:           | Port no.: 554 or access by a cloud (P2P)<br>• Android: Free application <a href="#">FREEIP PRO</a> , Android: Free application <a href="#">FREEIP</a><br>• iOS (iPhone): Free application <a href="#">FREEIP PRO</a> , iOS (iPhone): Free application <a href="#">FREEIP</a>  |
| Default IP address:              | 192.168.1.168                                                                                                                                                                                                                                                                 |
| Default admin user / password:   | admin / 12345                                                                                                                                                                                                                                                                 |
| Web browser access ports:        | 80, 5000, 554                                                                                                                                                                                                                                                                 |
| PC client access ports:          | 80, 5000, 554                                                                                                                                                                                                                                                                 |
| Mobile client access ports:      | 80, 5000, 554                                                                                                                                                                                                                                                                 |
| Port ONVIF:                      | 80                                                                                                                                                                                                                                                                            |
| Alarm inputs / outputs:          | —                                                                                                                                                                                                                                                                             |
| PTZ control:                     | —                                                                                                                                                                                                                                                                             |
| Motion Detection:                | Split the screen into zones : 24 x 18 motion zones                                                                                                                                                                                                                            |
| Mouse support:                   | ✓                                                                                                                                                                                                                                                                             |
| IR remote controller in the set: | —                                                                                                                                                                                                                                                                             |
| Power supply:                    | 12 V DC / 2 A (power adapter included)                                                                                                                                                                                                                                        |
| Weight:                          | 0.74 kg                                                                                                                                                                                                                                                                       |
| Dimensions:                      | 260 x 220 x 45 mm                                                                                                                                                                                                                                                             |
| Supported languages:             | Polish, English, Bulgarian, Czech, French, Spanish, German, Portuguese, Russian, Turkish, Hungarian, Italian                                                                                                                                                                  |

## Camera:

|                  |                                                                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:        | TCP/IP                                                                                                                                                                                           |
| Sensor:          | 1/3 " Sony CMOS IMX323                                                                                                                                                                           |
| Matrix size:     | 2.1 Mpx                                                                                                                                                                                          |
| Scanning system: | Progressive                                                                                                                                                                                      |
| Resolution:      | 1920 x 1080 - 1080p                                                                                                                                                                              |
| Operation modes: | Main and sub streams may be in any configuration<br><br>Firmware 3516EV100_F23_W30T0A0M0C0_W<br>• Main stream : 1920 x 1080<br>• Sub stream : 720 x 480, 640 x 480<br>• Sub stream 2 : 352 x 288 |
| Lens:            | 3.6 mm                                                                                                                                                                                           |
| View angle:      | • 67 ° (manufacturer data)<br>• 78 ° (our tests result)                                                                                                                                          |



# DATA SHEET

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| Range of IR illumination:      | 25 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| S/N ratio:                     | ≥ 52 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RS-485 interface:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Memory card slot:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Image compression method:      | H.265 / H.265+ / H.264 / H.264+ / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Alarm inputs / outputs:        | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio:                         | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Main stream frame rate:        | 20 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Network interface:             | 10/100 Base-T (RJ-45)<br>Wi-Fi - 2.4 GHz, IEEE 802.11 b/g/n                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Network protocols:             | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP NTP SMTP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ONVIF:                         | 2.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mobile phones support:         | Port no.: 80 or access by a cloud (P2P)<br>• Android: Free application <a href="#">FREEIP</a><br>• iOS (iPhone): Free application <a href="#">FREEIP</a>                                                                                                                                                                                                                                                                                                                                                                                                              |
| Default IP address:            | 192.168.1.168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Default admin user / password: | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Web browser access ports:      | 80, 5000, 554                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PC client access ports:        | 80, 5000, 554                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mobile client access ports:    | 80, 5000, 554                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. number of on-line users:  | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RTSP URL:                      | rtsp://user:password@ip_address:80/0 - Main stream<br>rtsp://user:password@ip_address:80/1 - Sub stream                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Main features:                 | <ul style="list-style-type: none"><li>• Wi-Fi module - IEEE 802.11 b/g/n, Range : 300 m (open area) ; Antenna - SMA socket</li><li>• WDR - Wide Dynamic Range</li><li>• 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>• Possibility to change the resolution, quality and bit rate</li><li>• Motion Detection</li><li>• Configurable Privacy Zones</li><li>• Mirror - Mirror image</li><li>• Sharpness - sharper image outlines</li></ul> |
| Power supply:                  | 12 V DC / 500 mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Power consumption:             | ≤ 6 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Housing:                       | Compact - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vandal-proof:                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                        |                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------|
| "Index of Protection": | IP66                                                                                                         |
| Operation temp:        | -10 °C ... 50 °C                                                                                             |
| Weight:                | 0.32 kg                                                                                                      |
| Dimensions:            | Ø 73 x 154 mm                                                                                                |
| Supported languages:   | English, Bulgarian, Czech, French, Spanish, German, Polish, Portuguese, Russian, Turkish, Hungarian, Italian |

**General information:**

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Connecting cable:     | —                                             |
| Power adapter:        | 4 pcs : 12 V / 500 mA ,<br>1 pcs : 12 V / 2 A |
| Country of origin:    | China                                         |
| Manufacturer / Brand: | APTI                                          |
| Guarantee:            | 2 years                                       |