

Code: APTI-KIT40-20V2-36W

**SURVEILLANCE KIT APTI-KIT40-20V2-36W 4 CHANNELS 1080N**Net: **135.83 EUR** Gross: **135.83 EUR**

The surveillance kit includes 4 cameras, DVR with Seagate 1TB hard disk, DC 12V/5A power adapter and 4 connecting cables with 18 m length each.

The digital recorder with AHD (Analog High Definition), HD-CVI (High Definition Composite Video Interface), HD-TVI (High Definition Transport Video Interface), TCP/IP and PAL interface is a professional device applicable in surveillance systems. The menu options layout has been designed for all users, even beginners can easy navigate and change parameters in DVR settings without any problem.

Megapixel camera with 1/2.7" CMOS sensor and AHD / HD-CVI / HD-TVI / PAL. The AHD / HD-CVI / HD-TVI interface allows to transmission of analog video signal via coaxial cable in 1080p resolution. During transmission there are no delays and is maintained the original, high quality image.

**Attention!** The DVR has installed the Seagate 1TB ST1000VM002 hard disk.

**SPECIFICATION**

|                                  |                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                        | AHD, HD-CVI, HD-TVI, PAL, TCP/IP                                                                                                                                                                                                                            |
| Video inputs:                    | 4 pcs BNC - AHD / HD-CVI / HD-TVI / CVBS                                                                                                                                                                                                                    |
| Video outputs:                   | 1 pcs HDMI<br>1 pcs VGA<br>1 pcs CVBS                                                                                                                                                                                                                       |
| Audio inputs:                    | 4 pcs CINCH                                                                                                                                                                                                                                                 |
| Audio outputs:                   | 2 pcs CINCH                                                                                                                                                                                                                                                 |
| Image compression method:        | H.264                                                                                                                                                                                                                                                       |
| Number of compression levels:    | 6                                                                                                                                                                                                                                                           |
| Image records resolutions:       | <ul style="list-style-type: none"> <li>• AHD / HD-CVI / HD-TVI : 960 x 1080, 1280 x 720</li> <li>• AHD-L / PAL : 960 x 576</li> <li>• IP : max. 1920 x 1080</li> </ul>                                                                                      |
| Maximal total frame rate:        | <ul style="list-style-type: none"> <li>• AHD / HD-CVI / HD-TVI :<br/>100 fps @ 960 x 1080 px,<br/>100 fps @ 1280 x 720 px,</li> <li>• AHD / PAL :<br/>100 fps @ 960 x 576 px,</li> <li>• IP :<br/>200 fps @ 1920 x 1080 px,</li> </ul>                      |
| Recording speed adjustment:      | 1 ... 25 fps @ 960 x 1080 px<br>1 ... 25 fps @ 1280 x 720 px<br>1 ... 25 fps @ 960 x 576 px<br>for each channel                                                                                                                                             |
| Operation modes:                 | <ul style="list-style-type: none"> <li>• 4 x AHD / HD-CVI / HD-TVI @ 1080N</li> <li>• 2 x AHD / HD-CVI / HD-TVI @ 1080N + 4 x IP @ 1080p</li> <li>• 8 x IP @ 1080p</li> </ul> All modes allow for any combination of the AHD-H, HD-CVI, HD-TVI, PAL cameras |
| Recording modes:                 | Manual, Motion Detection, Schedule                                                                                                                                                                                                                          |
| Supported hard drives:           | 1 x 6 TB SATA, In the kit : 1 TB Seagate                                                                                                                                                                                                                    |
| External storage devices backup: | Records backup at (.avi) format to USB (pendrive)                                                                                                                                                                                                           |

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|                                     |                                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Searching and playback the records: | Records searching: timeline or file list. Playback: forward, backward, fast, slow. Records playback from max. 1 channel in the same time                          |
| Network functions:                  | Network Client Software and IE browser: live view, playback and backup of the records, partial configuration of the recorder parameters                           |
| Mobile phones support:              | Port no.: 554 or access by a cloud (P2P)<br>• Android: Free application <a href="#">FREEIP PRO</a><br>• iOS (iPhone): Free application <a href="#">FREEIP PRO</a> |
| Default IP address:                 | 192.168.1.88                                                                                                                                                      |
| 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 : 22 x 18 motion zones                                                                                                                |
| Mouse support:                      | ✓                                                                                                                                                                 |
| IR remote controller in the set:    | —                                                                                                                                                                 |
| Power supply:                       | 12 V DC / 2 A                                                                                                                                                     |
| Color:                              | White                                                                                                                                                             |
| Supported languages:                | English, Arabic, Bulgarian, Chinese, Czech, French Hebrew, Spanish, German, Persian, Polish, Portuguese, Russian Thai, Turkish, Hungarian, Italian                |
| Weight:                             | 0.96 kg                                                                                                                                                           |
| Dimensions:                         | 220 x 220 x 55 mm                                                                                                                                                 |

Camera:

|                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard:                        | AHD, HD-CVI, HD-TVI, PAL                                                                                                                                                                                                                                                           |
| Sensor:                          | 1/2.7 " Progressive Scan CMOS                                                                                                                                                                                                                                                      |
| Digital Image Processor:         | HTC1080E                                                                                                                                                                                                                                                                           |
| Matrix size:                     | 2.1 Mpx                                                                                                                                                                                                                                                                            |
| Resolution:                      | • 1920 x 1080 - 1080p, AHD-H, HD-CVI, HD-TVI<br>• 960 x 576 - PAL                                                                                                                                                                                                                  |
| Range of IR illumination:        | 20 m                                                                                                                                                                                                                                                                               |
| IR illuminator power adjustment: | Automatic                                                                                                                                                                                                                                                                          |
| Lens:                            | 3.6 mm                                                                                                                                                                                                                                                                             |
| View angle:                      | • 73 ° (manufacturer data)<br>• 84 ° (our tests result)                                                                                                                                                                                                                            |
| S/N ratio:                       | > 50 dB                                                                                                                                                                                                                                                                            |
| Video output:                    | 1 Vpp 75 Ω, AHD, HD-CVI, HD-TVI, PAL - selectable by switch                                                                                                                                                                                                                        |
| Main features:                   | <ul style="list-style-type: none"> <li>• WDR - Wide Dynamic Range</li> <li>• DNR - Digital Noise Reduction</li> <li>• ICR - Movable InfraRed filter</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Sharpness - sharper image outlines</li> </ul> |
| OSD menu:                        | ✓                                                                                                                                                                                                                                                                                  |
| Vandal-proof:                    | ✓                                                                                                                                                                                                                                                                                  |



|                        |                  |
|------------------------|------------------|
| Power supply:          | 12 V DC / 300 mA |
| Power consumption:     | ≤ 3.6 W          |
| Housing:               | Dome - Metal     |
| "Index of Protection": | IP66             |
| Color:                 | White            |
| Operation temp:        | -20 °C ... 50 °C |
| Weight:                | 0.280 kg         |
| Dimensions:            | Ø 93 x 69 mm     |

General information:

|                       |                    |
|-----------------------|--------------------|
| Connecting cable:     | 4 pcs, 18 m - each |
| Power adapter:        | 1 pcs : 12 V / 5 A |
| Country of origin:    | China              |
| Manufacturer / Brand: | APTI               |
| Guarantee:            | 2 years            |

## PRESENTATION

DVR:



Internal view of the housing:



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CAMERA:



Camera is out from clamping ring:





In the kit:



Package:



## OUR TESTS

AHD:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



HD-CVI:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



HD-TVI:

Camera image at artificial illumination (about 30Lux):



Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:



## PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|