

Code: APTI-H83C6-2812

## AHD, HD-CVI, HD-TVI, PAL CAMERA **APTI-H83C6-2812** - 8.3 Mpx, 4K UHD 2.8 ... 12 mm

Megapixel camera with 1/2.8" Sony 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 max. 8 Mpx (4K) resolution. During transmission there are no delays and is maintained the original, high quality image.

Setting the camera in PAL mode allows to obtain an image in 960H resolution. The appropriate signal format selection is done by tilting and holding the joystick for 5 s without entering to the OSD menu. Changing the signal to the NTSC in the camera causes loss of image in connected AHD/HD-CVI/HD-TVI recorder.

The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance). Camera is according to IP66 Index of Protection norm.



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| Standard:                        | AHD, HD-CVI, HD-TVI, CVBS                                                                                                                                                                                                                                                                   |
| Sensor:                          | 1/2.8 " SONY Starvis™ Back-illuminated CMOS                                                                                                                                                                                                                                                 |
| Matrix size:                     | 8.3 Mpx                                                                                                                                                                                                                                                                                     |
| Resolution:                      | 3840 x 2160 - 8.3 Mpx, 4K UHD @ AHD / HD-CVI / HD-TVI, 12.5 fps ,<br>2592 x 1944 - 5 Mpx @ AHD / HD-TVI, 20 fps / 12.5 fps ,<br>2560 x 1440 - 4 Mpx @ AHD / HD-TVI / HD-CVI, 25 fps / 30 fps ,<br>1920 x 1080 - 1080p @ AHD / HD-TVI / HD-CVI, 25 fps / 30 fps ,<br>960 x 576 - 960H @ CVBS |
| Range of IR illumination:        | 60 m                                                                                                                                                                                                                                                                                        |
| IR illuminator power adjustment: | Automatic                                                                                                                                                                                                                                                                                   |
| Lens:                            | 2.8 ... 12 mm                                                                                                                                                                                                                                                                               |
| View angle:                      | • 87 ° ... 24 ° (manufacturer data)<br>• 97 ° ... 37 ° (our tests result)                                                                                                                                                                                                                   |
| S/N ratio:                       | > 50 dB                                                                                                                                                                                                                                                                                     |
| Video output:                    | 1 Vpp 75 Ω, AHD / HD-CVI / HD-TVI / CVBS - Via OSD, selectable by switch                                                                                                                                                                                                                    |

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| Main features:         | <ul style="list-style-type: none"> <li>• D-WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• BLC - Back Light Compensation</li> <li>• ICR - Movable InfraRed filter</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Day/Night mode - configurable</li> <li>• Sharpness - sharper image outlines</li> </ul> |
| OSD menu:              | ✓                                                                                                                                                                                                                                                                                                                                                                         |
| Power supply:          | 12 V DC / 560 mA                                                                                                                                                                                                                                                                                                                                                          |
| Power consumption:     | ≤ 6.7 W                                                                                                                                                                                                                                                                                                                                                                   |
| Housing:               | Compact - Metal                                                                                                                                                                                                                                                                                                                                                           |
| Color:                 | Graphite                                                                                                                                                                                                                                                                                                                                                                  |
| "Index of Protection": | IP66                                                                                                                                                                                                                                                                                                                                                                      |
| Operation temp:        | -20 °C ... 50 °C                                                                                                                                                                                                                                                                                                                                                          |
| Weight:                | 0.79 kg                                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions:            | 216 x 83 x 83 mm                                                                                                                                                                                                                                                                                                                                                          |
| Supported languages:   | English, Chinese Traditional, Chinese Simplified                                                                                                                                                                                                                                                                                                                          |
| Manufacturer / Brand:  | APTI                                                                                                                                                                                                                                                                                                                                                                      |
| Guarantee:             | 2 years                                                                                                                                                                                                                                                                                                                                                                   |