

Code: APTI-29V3-2812WP

## IP VANDALPROOF CAMERA **APTI-29V3-2812WP** - 1080p 2.8 ... 12 mm

IP camera with efficient H.264 / H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 1080p. Included camera software enables management and integrated monitoring of many network cameras. Its using allows to create large surveillance system. PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.



|                           |                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                                            |
| Digital Image Processor:  | Ambarella S3L33                                                                                                                   |
| Sensor:                   | 1/3 " Sony CMOS IMX290                                                                                                            |
| Matrix size:              | 2.1 Mpx                                                                                                                           |
| Resolution:               | 1920 x 1080 - 1080p                                                                                                               |
| Lens:                     | 2.8 ... 12 mm, 3 Mpx                                                                                                              |
| View angle:               | <ul style="list-style-type: none"> <li>• 81 ° ... 23 ° (manufacturer data)</li> <li>• 97 ° ... 38 ° (our tests result)</li> </ul> |
| S/N ratio:                | > 50 dB                                                                                                                           |
| Range of IR illumination: | 30 m                                                                                                                              |
| Memory card slot:         | —                                                                                                                                 |
| Image compression method: | H.265 / H.264 / MJPEG                                                                                                             |
| Bitrate:                  | 64 ... 12000 kbps                                                                                                                 |
| Main stream frame rate:   | max. 30 fps - 1080p                                                                                                               |
| Network interface:        | 10/100 Base-T (RJ-45)                                                                                                             |
| Alarm inputs / outputs:   | —                                                                                                                                 |



# DATA SHEET

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network protocols:             | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, SMTP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio:                         | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WEB Server:                    | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Max. number of on-line users:  | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ONVIF:                         | 2.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RS-485 interface:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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 admin user / password: | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Default IP address:            | 192.168.1.168                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Web browser access ports:      | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PC client access ports:        | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mobile client access ports:    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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>• ICR - Movable InfraRed filter</li><li>• 3D-DNR - Digital Noise Reduction</li><li>• HDR (High Dynamic Range) - the wide range of light dynamics provides a very good distinguishing of details on both the light and the dark areas of the image</li><li>• Possibility to change the resolution, quality and bit rate</li><li>• Motion Detection</li><li>• Privacy zones</li><li>• Configurable: brightness, contrast, saturation</li><li>• Sharpness - sharper image outlines</li><li>• Mirror - Mirror image</li></ul> |
| Power supply:                  | <ul style="list-style-type: none"><li>• PoE (802.3af)</li><li>• 12 V DC / 460 mA</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Housing:                       | Dome - Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Vandal-proof:                  | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| "Index of Protection":         | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Operation temp:                | -20 °C ... 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Weight:                        | 0.61 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dimensions:                    | Ø 120 x 95 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Supported languages:           | English, Bulgarian, Chinese Traditional, Chinese Simplified, Czech, French, Hebrew, Spanish, Dutch, Japanese, Korean, German, Persian, Polish, Portuguese, Russian, Turkish, Italian                                                                                                                                                                                                                                                                                                                                                                            |
| Manufacturer / Brand:          | APTI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Guarantee:                     | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |