

Code: GT-SD22L8-30X

## IP SPEED DOME CAMERA OUTDOOR **GT-SD22L8-30X** - 1080p 4.5 ... 135 mm GEMINI TECHNOLOGY

Outdoor Speed Dome camera equipped with high resolution Sony sensor and adaptive IR illuminator with range up to 180 m. The biggest advantage of the camera is the lens with x30 optical zoom, which together with long range IR illuminator allow to 24 hours surveillance without any additional lighting even at area of several hundred meters.

For a few models of IP cameras working at  $\geq 1920 \times 1080$  resolution we recommend to use of network with 1Gb/s bandwidth.



|                           |                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| Standard:                 | TCP/IP                                                                                                      |
| Sensor:                   | 1/2.8 " Sony CMOS IMX290                                                                                    |
| Digital Image Processor:  | DSP AMBARELLA S2L33                                                                                         |
| Matrix size:              | 2.1 Mpx                                                                                                     |
| Resolution:               | 1920 x 1080 - 1080p<br>1280 x 1024 - 1.4 Mpx<br>1280 x 960 - 1.3 Mpx<br>1280 x 720 - 720p<br>720 x 576 - D1 |
| Scanning system:          | Progressive                                                                                                 |
| Lens:                     | 4.5 ... 135 mm                                                                                              |
| View angle:               | • 63 ° ... 2.4 ° (manufacturer data)<br>• 50 ° ... 3 ° (our tests result)                                   |
| Optical zoom:             | x 30                                                                                                        |
| Range of IR illumination: | 180 m                                                                                                       |

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| S/N ratio:                       | ≥ 55 dB                                                                                                                                                                                                 |
| Video output:                    | 1 Vpp / 75 Ω - SPOT, CVBS                                                                                                                                                                               |
| Rotation speed (manual control): | 0.1 °/s ... 150 °/s (horizontal)<br>0.1 °/s ... 150 °/s (vertical)                                                                                                                                      |
| Preset rotation speed:           | max. 180 °/s                                                                                                                                                                                            |
| Horizontal rotation range:       | 360 ° continuous                                                                                                                                                                                        |
| Vertical rotation range:         | 0 ° ... 90 °                                                                                                                                                                                            |
| Memory card slot:                | —                                                                                                                                                                                                       |
| RS-485 interface:                | —                                                                                                                                                                                                       |
| Audio:                           | <ul style="list-style-type: none"> <li>• External microphone input</li> <li>• Audio output</li> </ul>                                                                                                   |
| Number of presets:               | 256                                                                                                                                                                                                     |
| Horizontal scan:                 | Between two points with adjusted speed                                                                                                                                                                  |
| Image compression method:        | H.264+ / H.264 / MJPEG                                                                                                                                                                                  |
| Alarm inputs / outputs:          | 2 / 1                                                                                                                                                                                                   |
| Network interface:               | 10/100 Base-T (RJ-45)                                                                                                                                                                                   |
| Network protocols:               | TCP, HTTP, UDP, DHCP, RTSP, DDNS, NTP, PPPoE, UPnP, SNMP, FTP, ONVIF                                                                                                                                    |
| Bitrate:                         | 16 ... 8000 kbps                                                                                                                                                                                        |
| WEB Server:                      | Built-in                                                                                                                                                                                                |
| ONVIF:                           | 2.21                                                                                                                                                                                                    |
| Mobile phones support:           | Port no.: 5800 or access by a cloud (P2P)<br><ul style="list-style-type: none"> <li>• Android: Free application <a href="#">Fseye</a></li> <li>• iOS: Free application <a href="#">Fseye</a></li> </ul> |
| Default IP address:              | 192.168.1.188                                                                                                                                                                                           |
| Default admin user / password:   | admin / (null)                                                                                                                                                                                          |
| Web browser access ports:        | 80, 554, 1935                                                                                                                                                                                           |
| PC client access ports:          | 5050, 5051, 5052                                                                                                                                                                                        |
| Mobile client access ports:      | 5800                                                                                                                                                                                                    |
| WEB Server:                      | Built-in                                                                                                                                                                                                |
| Max. number of on-line users:    | 10                                                                                                                                                                                                      |
| Port ONVIF:                      | 80                                                                                                                                                                                                      |
| RTSP URL:                        | rtsp://ip_address:554/ch01.264 - Main stream<br>rtsp://ip_address:554/ch01_sub.264 - Sub stream                                                                                                         |
| Route settings:                  | <ul style="list-style-type: none"> <li>• 8 tours set by presets</li> <li>• 4 routes repeating the pattern of movement</li> </ul>                                                                        |

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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>• EIS - Electronic Image Stabilization</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• ICR - Movable InfraRed filter</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• IR illuminator optimization</li> <li>• AGC - Automatic Gain Control</li> <li>• Auto White Balance</li> <li>• Bi-directional audio streaming support</li> <li>• Motion Detection - 8 zones</li> </ul> |
| Intelligent Image Analysis: | <ul style="list-style-type: none"> <li>• Target Count,</li> <li>• Detection of item's reorientation in 3D space,</li> <li>• Virtual Guard,</li> <li>• area detection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Power supply:               | 12 V DC / 5 A (power adapter included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Housing:                    | Speed Dome, Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Color:                      | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| "Index of Protection":      | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operation temp:             | -20 °C ... 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Weight:                     | 6.71 kg (with bracket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dimensions:                 | 357 x 243 x 414 mm (with bracket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supported languages:        | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Manufacturer / Brand:       | GEMINI TECHNOLOGY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Guarantee:                  | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |