

Code: OMEGA-22P18-6P-AI

## IP SPEED DOME CAMERA OUTDOOR **OMEGA-22P18-6P-AI** - 1080p 5.35 ... 96.3 mm

IP camera equipped with very good high resolution sensor. Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition.

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

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 Low Illumination CMOS                                                                                                  |
| Matrix size:              | 2.1 Mpx                                                                                                                             |
| Scanning system:          | Progressive                                                                                                                         |
| Resolution:               | 1920 x 1080 - 1080p ,<br>1280 x 720 - 720p ,<br>704 x 576 - D1                                                                      |
| Lens:                     | 5.35 ... 96.3 mm                                                                                                                    |
| View angle:               | <ul style="list-style-type: none"> <li>• 59 ° ... 3.6 ° (manufacturer data)</li> <li>• 50 ° ... 4.4 ° (our tests result)</li> </ul> |
| Optical zoom:             | x 18                                                                                                                                |
| Auto IR illuminator:      | Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions                                        |
| Range of IR illumination: | 60 m                                                                                                                                |
| S/N ratio:                | $\geq 50$ dB                                                                                                                        |

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| Video output:                    | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rotation speed (manual control): | 1 °/s ... 120 °/s (horizontal) ,<br>1 °/s ... 30 °/s (vertical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Horizontal rotation range:       | 360 ° continuous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Vertical rotation range:         | 0 ° ... 93 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RS-485 interface:                | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Number of presets:               | 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Horizontal scan:                 | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Image compression method:        | H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protections:                     | Overvoltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio:                           | <ul style="list-style-type: none"> <li>• Microphone built-in</li> <li>• Speaker built-in</li> <li>• Bi-directional audio streaming support</li> <li>• Voice prompts in English or Chinese</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alarm inputs / outputs:          | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Network interface:               | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Network protocols:               | TCP/IP, HTTP, NTP, IGMP, DHCP, UDP, SMTP, RTP, RTSP, ARP, DDNS, DNS, PPPoE, P2P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Main stream frame rate:          | 25 fps @ 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WEB Server:                      | Built-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ONVIF:                           | 2.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mobile phones support:           | Port no.: 80 or access by a cloud (P2P)<br><ul style="list-style-type: none"> <li>• Android: Free application <a href="#">BitVision</a></li> <li>• iOS (iPhone): Free application <a href="#">BitVision</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                           |
| Default IP address:              | 192.168.1.110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Default admin user / password:   | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Web browser access ports:        | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Port ONVIF:                      | 8999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RTSP URL:                        | rtsp://ip_address/1/h264major - Main stream<br>rtsp://ip_address/1/h264minor - Sub stream                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Route settings:                  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OSD menu:                        | preset 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Main features:                   | <ul style="list-style-type: none"> <li>• Intelligent Image Analysis : intrusion</li> <li>• WDR - Wide Dynamic Range</li> <li>• Parking action - this function enables to locate the camera to specific position automatically if operator doesn't operate the controller for some time</li> <li>• ICR - Movable InfraRed filter</li> <li>• BLC - configurable Back Light Compensation</li> <li>• Auto White Balance</li> <li>• AGC - Automatic Gain Control</li> <li>• IR illuminator optimization</li> <li>• Mirror - Mirror image</li> <li>• Motion Detection - Split the screen into zones 16 x 12</li> </ul> |



# DATA SHEET

|                        |                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------|
| Power supply:          | <ul style="list-style-type: none"><li>• PoE (802.3at)</li><li>• 12 V DC / 3 A (power adapter included)</li></ul> |
| Housing:               | Speed Dome, Metal                                                                                                |
| Color:                 | White + Black                                                                                                    |
| "Index of Protection": | IP66                                                                                                             |
| Operation temp:        | -40 °C ... 70 °C                                                                                                 |
| Weight:                | 1.56 kg (with bracket)                                                                                           |
| Dimensions:            | 200 x 246 x 136 mm (with bracket)                                                                                |
| Supported languages:   | Polish, English, French, Greek, Spanish, German                                                                  |
| Guarantee:             | 2 years                                                                                                          |