

Code: DH-PTZ12240-LR8-N

## IP SPEED DOME CAMERA OUTDOOR **DH-PTZ12240-LR8-N** - 1080p 7.9 ... 316 mm DAHUA

### Intelligent 3D Positioning System.

The biggest advantage of the camera is the lens with x40 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. 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 " Progressive Scan CMOS                                               |
| Resolution:               | 1920 x 1080                                                                 |
| Matrix size:              | 2.1 Mpx                                                                     |
| Resolution:               | 1920 x 1080 - 1080p<br>1280 x 720 - 720p                                    |
| Scanning system:          | Progressive                                                                 |
| Lens:                     | 7.9 ... 316 mm                                                              |
| View angle:               | • 41 ° ... 1.1 ° (manufacturer data)<br>• 36 ° ... 1.6 ° (our tests result) |
| Optical zoom:             | x 40                                                                        |
| Digital zoom:             | x 16                                                                        |
| Range of IR illumination: | 800 m                                                                       |
| S/N ratio:                | > 55 dB (AGC off)                                                           |



# DATA SHEET

|                                  |                                                                                                                                                                                                                                                                                                                   |
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| Video output:                    | 1 Vpp / 75 $\Omega$                                                                                                                                                                                                                                                                                               |
| Preset rotation speed:           | max. 160 °/s (horizontal)<br>max. 60 °/s (vertical)                                                                                                                                                                                                                                                               |
| Rotation speed (manual control): | 0.1 °/s ... 160 °/s (horizontal)<br>0.1 °/s ... 60 °/s (vertical)                                                                                                                                                                                                                                                 |
| Horizontal rotation range:       | 360 ° continuous                                                                                                                                                                                                                                                                                                  |
| Vertical rotation range:         | -90 ° ... 45 °                                                                                                                                                                                                                                                                                                    |
| RS-485 interface:                | ✓                                                                                                                                                                                                                                                                                                                 |
| Protocols:                       | Pelco-D, Pelco-P, DH-SD Auto detection                                                                                                                                                                                                                                                                            |
| Number of presets:               | 300                                                                                                                                                                                                                                                                                                               |
| Horizontal scan:                 | ✓                                                                                                                                                                                                                                                                                                                 |
| Route settings:                  | 8                                                                                                                                                                                                                                                                                                                 |
| Image compression method:        | H.264 / MPEG-4 / MJPEG                                                                                                                                                                                                                                                                                            |
| Bitrate:                         | 448 ... 8192 kbps - H.264<br>4096 ... 20480 kbps - MJPEG                                                                                                                                                                                                                                                          |
| Alarm inputs / outputs:          | 7 / 2                                                                                                                                                                                                                                                                                                             |
| Audio:                           | <ul style="list-style-type: none"><li>• 1 Audio input</li><li>• 1 Audio output</li><li>• Audio detection</li></ul>                                                                                                                                                                                                |
| Main stream frame rate:          | 1 ... 25 fps - 1080p<br>1 ... 50 fps - 720p                                                                                                                                                                                                                                                                       |
| Network interface:               | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                             |
| Network protocols:               | IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, IP Filter, QoS, Bonjour, IEEE 802.1x, Multicast                                                                                                                                              |
| WEB Server:                      | Built-in, NVR compliance                                                                                                                                                                                                                                                                                          |
| Max. number of on-line users:    | 20                                                                                                                                                                                                                                                                                                                |
| ONVIF:                           | 2.41 - Profile S, G, ONVIF CGI                                                                                                                                                                                                                                                                                    |
| Mobile phones support:           | Port no.: 37777 or access by a cloud (P2P)<br><ul style="list-style-type: none"><li>• Android: Free application <a href="#">DMSS</a>, Android: Free application <a href="#">IMOU</a></li><li>• iOS (iPhone): Free application <a href="#">DMSS</a>, iOS (iPhone): Free application <a href="#">IMOU</a></li></ul> |
| Memory card slot:                | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                              |

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| Main features:         | <ul style="list-style-type: none"> <li>• Intelligent 3D Positioning System</li> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• EIS - Electronic Image Stabilization</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• Configurable Privacy Zones - 24</li> <li>• ICR - Movable InfraRed filter</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Audio detection</li> <li>• Sharpness - sharper image outlines</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li> <li>• Mirror - Mirror image</li> <li>• Wiper - Control the wiper via TCP/IP</li> <li>• Multicast - Unlimited number of clients</li> <li>• IVS analysis : objects tracking, crossing the line (tripwire), intrusion, abandoned/missing object, fast moving, perimeter protection, illegal parking, loitering detection</li> </ul> |
| Power supply:          | 24 V AC / 8 A (power adapter included)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Power consumption:     | 90 W (max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Housing:               | Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Color:                 | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operation temp:        | -40 °C ... 70 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| "Index of Protection": | IP66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Weight:                | 13.5 kg (with bracket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Dimensions:            | 252 x 360 mm x 464 mm (with bracket)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Supported languages:   | English, Polish                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Manufacturer / Brand:  | DAHUA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Guarantee:             | <b>3 years</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |