

Code: SD8A440-HNF-PA

# IP SPEED DOME CAMERA OUTDOOR **SD8A440-HNF-PA** - 4 Mpx, 5.6 ... 223 mm DAHUA

Net: **1 753 773.58 HUF** Gross: **1 753 773.58 HUF**

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

Built-in IR illuminator allows to operate at night conditions, and vari-focal lens with wide range of view angle adjustment enables optimal set the view field of camera to all conditions. The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance).

Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image. 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.

In addition camera is equipped with lens wiper remote controlled via TCP/IP interface. For a few models of IP cameras working at  $\geq 1920 \times 1080$  resolution we recommend to use of network with 1Gb/s bandwidth.



## SPECIFICATION

|                                  |                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Standard:                        | TCP/IP                                                                                                                      |
| Sensor:                          | 1/1.8 " STARVIS™ CMOS                                                                                                       |
| Matrix size:                     | 4 Mpx                                                                                                                       |
| Resolution:                      | 2560 x 1440 - 4 Mpx ,<br>1920 x 1080 - 1080p ,<br>1280 x 960 - 1.3 Mpx ,<br>1280 x 720 - 720p                               |
| Scanning system:                 | Progressive                                                                                                                 |
| Lens:                            | 5.6 ... 223 mm                                                                                                              |
| View angle:                      | 61.8 ° ... 2.2 ° (manufacturer data)                                                                                        |
| Optical zoom:                    | x 40                                                                                                                        |
| Digital zoom:                    | x 16                                                                                                                        |
| Range of IR illumination:        | 500 m                                                                                                                       |
| S/N ratio:                       | $\geq 55$ dB (AGC off)                                                                                                      |
| Video output:                    | 1 Vpp / 75 $\Omega$                                                                                                         |
| Preset rotation speed:           | <ul style="list-style-type: none"><li>• 240 °/s (horizontal)</li><li>• 120 °/s (vertical)</li></ul>                         |
| Rotation speed (manual control): | <ul style="list-style-type: none"><li>• 0.1 °/s ... 240 °/s (horizontal)</li><li>• 0.1 °/s ... 100 °/s (vertical)</li></ul> |

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|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Horizontal rotation range:     | 360 ° continuous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Vertical rotation range:       | -30 ° ... 90 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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.265+ / H.265 / H.264+ / H.264 / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alarm inputs / outputs:        | 7 / 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio:                         | <ul style="list-style-type: none"> <li>• 1 Audio input</li> <li>• 1 Audio output</li> <li>• Bi-directional audio streaming support</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Main stream frame rate:        | 1 ... 25 fps - 4 Mpx                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network interface:             | 10/100 Base-T (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Network protocols:             | IPv4/IPv6, HTTP, HTTPS, IEEE 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, ARP, RTCP, RTMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| WEB Server:                    | Built-in, NVR compliance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Max. number of on-line users:  | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ONVIF:                         | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P) <ul style="list-style-type: none"> <li>• Android: Free application <a href="#">DMSS</a></li> <li>• iOS (iPhone): Free application <a href="#">DMSS</a></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Default admin user / password: | admin / -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Web browser access ports:      | 80, 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PC client access ports:        | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mobile client access ports:    | 37777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Port ONVIF:                    | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RTSP URL:                      | rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream<br>rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Memory card slot:              | Micro SD memory cards up to 512GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Main features:                 | <ul style="list-style-type: none"> <li>• WDR - 140 dB - Wide Dynamic Range</li> <li>• 2D-DNR, 3D-DNR - Digital Noise Reduction</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• ICR - Movable InfraRed filter</li> <li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li> <li>• Motion Detection</li> <li>• Configurable Privacy Zones - 24</li> <li>• AGC - Automatic Gain Control</li> <li>• Sharpness - sharper image outlines</li> <li>• Lens wiper remotely controlled via TCP/IP</li> <li>• IVS analysis : Intelligent Object Tracking, crossing the line (tripwire), intrusion, abandoned/missing object, scene changing, Face recognition, metadata support, classification of people and vehicles, Filtering of false alarms based on the recognition of persons and vehicles (tripwire, intrusion)</li> </ul> |
| Power supply:                  | <ul style="list-style-type: none"> <li>• Hi-PoE,</li> <li>• 36 V DC / 2.23 A (power adapter included)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Power consumption:     | <ul style="list-style-type: none"> <li>• 30 W</li> <li>• 48 W ( LED IR )</li> </ul> |
| Housing:               | Speed Dome Metal                                                                    |
| Color:                 | White                                                                               |
| Vandal-proof:          | —                                                                                   |
| "Index of Protection": | IP67                                                                                |
| Operation temp:        | -40 °C ... 70 °C                                                                    |
| Weight:                | 10 kg (without bracket)                                                             |
| Dimensions:            | Ø 262 x 416 mm (without bracket)                                                    |
| Supported languages:   | English                                                                             |
| Manufacturer / Brand:  | DAHUA                                                                               |
| Guarantee:             | <b>5 years</b>                                                                      |

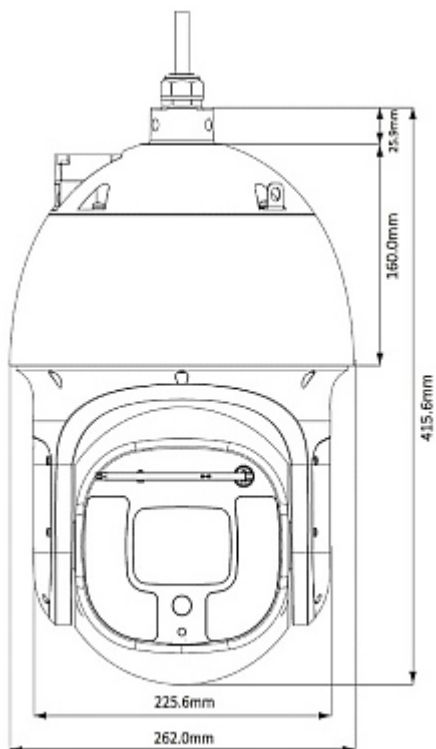
## PRESENTATION

Bottom view:



Camera dimensions:

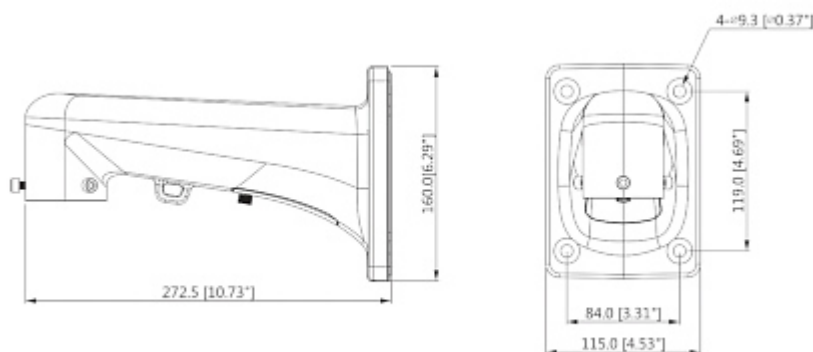




Camera bracket:



Bracket dimensions:



See how to initialize DAHUA cameras:  
:

## OUR OPINIONS



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- Thanks to the "Starlight" technology used, the camera only needs very low lighting to obtain a clear color image.

#### PACKAGE

|                                  |                    |
|----------------------------------|--------------------|
| Dimensions (L x W x H): 0x0x0 mm | Gross Weight: 0 kg |
|----------------------------------|--------------------|

