

Code: DH-SD49225T-HN

# IP SPEED DOME CAMERA OUTDOOR **DH-SD49225T-HN** - 1080p 4.8 ... 120 mm DAHUA

Net: **594.14 EUR** Gross: **594.14 EUR**

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).

PoE powering possibility, compatible with the 802.3at standard makes the device more universal and easier to install.

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

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:                          | 1/2.8 " STARVIS™ CMOS                                                   |
| Matrix size:                     | 2.1 Mpx                                                                 |
| Resolution:                      | 1920 x 1080 - 1080p<br>1280 x 720 - 720p                                |
| Scanning system:                 | Progressive                                                             |
| Lens:                            | 4.8 ... 120 mm                                                          |
| View angle:                      | 59 ° ... 2.4 ° (manufacturer data)<br>57 ° ... 3.1 ° (our tests result) |
| Optical zoom:                    | x 25                                                                    |
| Digital zoom:                    | x 16                                                                    |
| Range of IR illumination:        | 100 m                                                                   |
| S/N ratio:                       | > 50 dB (AGC off)                                                       |
| Video output:                    | —                                                                       |
| Preset rotation speed:           | 240 °/s                                                                 |
| Rotation speed (manual control): | 0.1 °/s ... 200 °/s (horizontal)<br>0.1 °/s ... 120 °/s (vertical)      |
| Horizontal rotation range:       | 360 ° - continuous                                                      |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vertical rotation range:       | -15 ° ... 90 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| RS-485 interface:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Number of presets:             | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Horizontal scan:               | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Route settings:                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Image compression method:      | H.265 / H.264 / MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Bitrate:                       | 448 ... 8192 kbps - H.264 / H.265<br>5120 ... 10240 kbps - MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alarm inputs / outputs:        | 2 / 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio:                         | <ul style="list-style-type: none"> <li>• External microphone input</li> <li>• Audio output</li> <li>• Audio detection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Main stream frame rate:        | 1 ... 50 fps - 1080p                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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:                         | 2.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Memory card slot:              | Micro SD memory cards up to 128GB support (possible local recording)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Mobile phones support:         | Port no.: 37777 or access by a cloud (P2P)<br>• Android: Free application <a href="#">DMSS</a> , Android: Free application <a href="#">IMOU</a><br>• iOS (iPhone): Free application <a href="#">DMSS</a> , iOS (iPhone): Free application <a href="#">IMOU</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Default admin user / password: | admin / admin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Default IP address:            | 192.168.1.108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Main features:                 | <ul style="list-style-type: none"> <li>• WDR - 120 dB - Wide Dynamic Range</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• F-DNR (Defog) - Reduction of image noise caused by precipitation</li> <li>• 2D-DNR / 3D-DNR - Digital Noise Reduction</li> <li>• IVS analysis : crossing the line (tripwire), intrusion, abandoned/missing object, face detection</li> <li>• ICR - Movable InfraRed filter</li> <li>• Configurable Privacy Zones - 24</li> <li>• Motion Detection</li> <li>• BLC/HLC - Back Light / High Light Compensation</li> <li>• Sharpness - sharper image outlines</li> <li>• Mirror - Mirror image</li> <li>• Day/Night mode (color/b&amp;w/auto)</li> <li>• Privacy zones - max. 24</li> </ul> |
| Power supply:                  | <ul style="list-style-type: none"> <li>• PoE (802.3at),</li> <li>• 12 V DC / 3 A (power adapter not included)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Housing:                       | Speed Dome, Metal / Plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Color:                         | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



|                        |                                   |
|------------------------|-----------------------------------|
| Operation temp:        | -40 °C ... 70 °C                  |
| "Index of Protection": | IP66                              |
| Weight:                | 3.71 kg (with bracket)            |
| Dimensions:            | 160 x 295 x 357 mm (with bracket) |
| Supported languages:   | English                           |
| Manufacturer / Brand:  | DAHUA                             |
| Guarantee:             | <b>3 years</b>                    |

## PRESENTATION

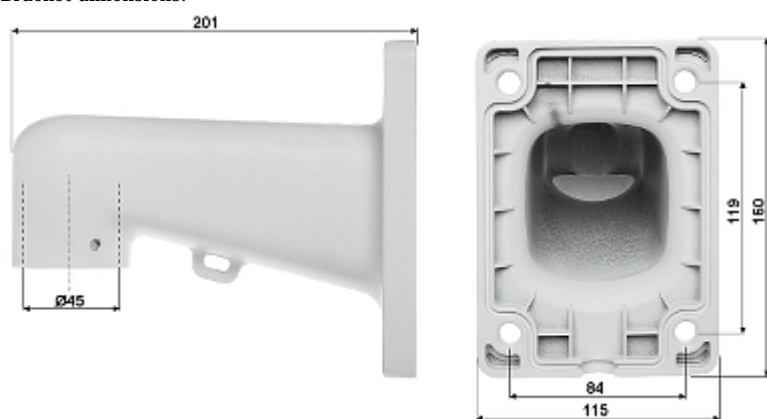
Bottom view:



Micro SD card slot is located inside the camera:



Bracket dimensions:



Connectors:



Connectors description:



In the kit:



See the ability of operation in imou cloud:

:

## OUR TESTS

Camera image at artificial illumination (about 30Lux):

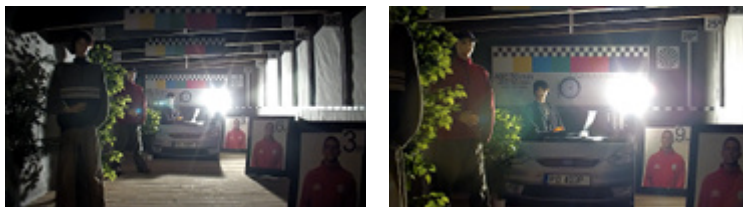


Camera image at night conditions with internal built-in IR illuminator on:



Camera image at direct strong light opposite to camera:

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## OUR OPINIONS



- 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 |
|----------------------------------|--------------------|



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