Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;

2. Improper results of operation of the product or products related with it;

3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

The HY-SAV849HA-E device integrates functions of video surveillance and smoke detection, offering a solution for remote fire detection.

With built-in fire detection function, the camera has the ability to detect fire from a long distance. The smoke detector using a photoelectric smoke sensing chamber is supported by an intelligent flame detection algorithm, which ensures higher fire detection efficiency.

The smart algorithm of automatic compensation against dust concentration helps reduce false alarm. Supporting 5 Mpx video output resolution, the camera enables users to pinpoint the fire location.

This device is applicable to most places where both fire alarm and video surveillance are needed, such as: chain stores, unattended base stations, unmanned power distribution rooms, ATM areas, libraries, garbage rooms.

Detection:	smoke
Alarm signaling:	• LED indicator, • Acoustic (buzzer)
Smoke chamber dirt build-up indication:	─
Power supply:	• PoE (802.3af) • 12 V DC • 3 V Lithium battery - Battery backup
Current consumption:	• 30 µA (standby) • 300 mA (camera)
Battery lifetime:	~ 3 years
Main features:	• Smoke detection : Dual chamber with photoelectric sensor, • Smoke chamber with split-spectrum sensing and the use of an intelligent algorithm effectively eliminate false alarms • Intelligent compensation algorithm relieves the impact of dust accumulation and environment changing on smoke sensing module • Detection : 30 ... 60 m² , • Test mode • Operation status LED indicator • Sound signaling 80 dB / 3 m • Built-in 7 alarm voices and the ability to import the custom ones • Low battery level alarm • Low current consumption • Insect-proof and dust-proof design
IP Camera:	
Standard:	TCP/IP

Sensor:	1/2.7 " Progressive Scan CMOS
Matrix size:	5 Mpx
Scanning system:	Progressive
Resolution:	2592 x 1944 - 5 Mpx , 2688 x 1520 - 4 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3 Mpx , 1920 x 1080 - 1080p
Lens:	2.0 mm / F2.0
View angle:	144 ° (horizontal) 92 ° (vertical)
Range of IR illumination:	20 m
Image compression method:	H.265+ / H.265 / H.264+ / H.264 / H.264H / H.264B
Main stream frame rate:	• 20 fps @ 5 Mpx • 25 fps @ 4 Mpx
RS-485 interface:	✔
Alarm inputs / outputs:	2 / 2
Audio:	• Audio input • Microphone built-in • Audio output • Speaker built-in • Bi-directional audio streaming support • Audio detection
Network interface:	10/100 Base-T (RJ-45)
Network protocols:	HTTP, HTTPS, TCP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, IPv4/IPv6, SNMP, QoS, UPnP, NTP, IEEE 802.1x
Memory card slot:	Micro SD memory cards up to 256GB support (possible local recording)
Mobile phones support:	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS • iOS (iPhone): Free application DMSS
Default IP address:	192.168.1.108
Default admin user / password:	admin / - The administrator password should be set at the first start
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 rtsp://admin:hasło@192.168.1.108:554/cam/realmonitor?channel=1&subtype=1 - Sub stream
WEB Server:	Built-in
Max. number of on-line users:	10

ONVIF:	✔
Main features:	• IVS analysis : Smoke detection, flame detection, abandoned/missing object, fire extinguisher detection • WDR - 90 dB - Wide Dynamic Range • BLC/HLC - Back Light / High Light Compensation • ICR - Movable InfraRed filter • Day/night mode • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • AGC - Automatic Gain Control • 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • Image rotation and mirror • Privacy zones - max. 8 • Motion Detection • fire detection • Configurable: brightness, contrast, saturation • Possibility to change the resolution, quality and bit rate • Tamper protections
Power supply:	• PoE (802.3af), • 12 V DC / 400 mA (power adapter not included)
Power consumption:	< 2.1 W @ 12 V DC < 2.0 W @ PoE max. 4.9 W @ 12 V DC (LED IR) max. 4.8 W @ PoE (LED IR)

General information:

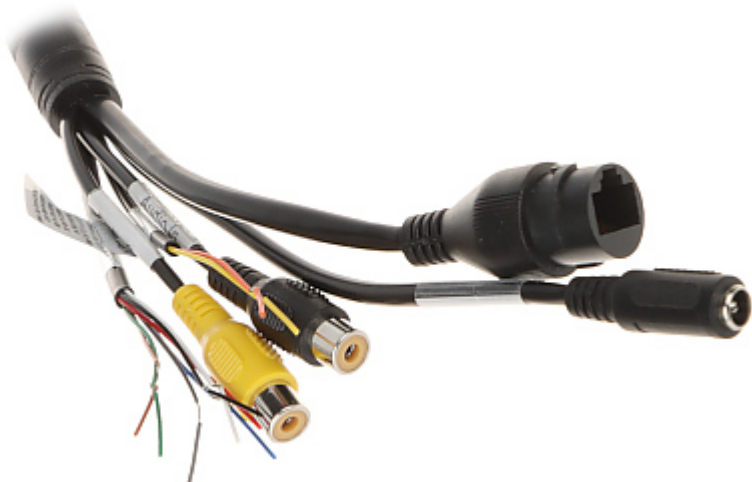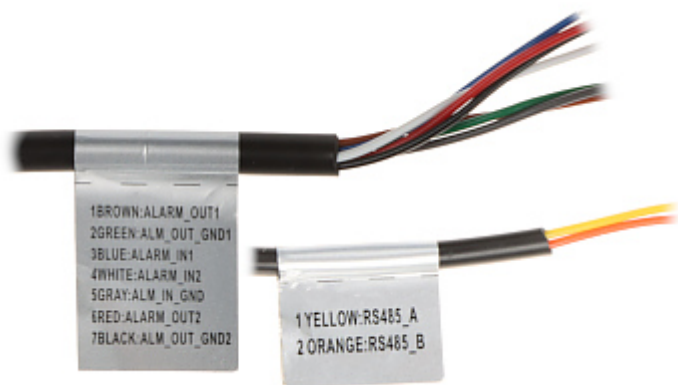| Housing:	Compact, Plastic
Color:	White + Black
Vandal-proof:	—
Operation temp:	-10 °C ... 55 °C
Permissible relative humidity:	0 % ... 95 % (non-condensing)
Weight:	0.44 kg
Dimensions:	Ø 120 x 79 mm
Supported languages:	Polish, English, Czech, French, Hebrew, Spanish, Dutch, German, Portuguese, Russian, Romanian, Turkish, Ukrainian, Hungarian, Italian
Manufacturer / Brand:	DAHUA
Guarantee:	**3 years**

Bottom view:

Side view:

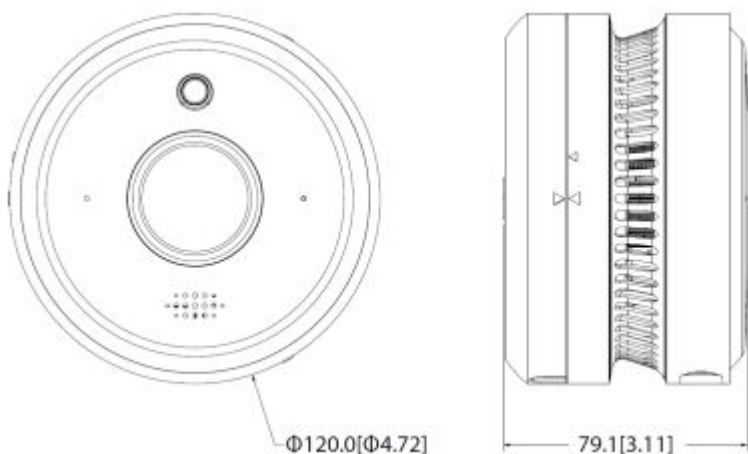

Memory card slot and "Reset" button:

Mounting side view:

Connectors:

Connectors description:

Camera dimensions:

See how to initialize DAHUA cameras:
:
In the kit:

PACKAGE

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