User Manual

Code: IPC-HUM8231-E2

MAIN UNIT MODULE OF THE IP CAMERA **IPC-HUM8231-E2** - 1080p DAHUA

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 IPC-HUM8231-E2 module has a communication function between the camera module and the computer network. The device is responsible for image processing from the camera, intelligent image analysis functions (IVS) and communication with the LAN network. In addition, the device is also equipped with an RS-232 communication port, audio input and output and 2 alarm inputs and 2 NO/NC relay outputs. This module enables independent support of two camera modules at the same time, sending main and sub streams for each camera.
The IPC-HUM8231-E2 main unit module is designed to work with camera modules of the DH-IPC-HUM8231-L series. The device has a modular construction and allows to choose to it the right camera model depending on the needs. The IPC-HUM8231-E2 supports camera modules with resolution up to 1920 x 1080 pixels.
PoE powering possibility, compatible with the 802.3af standard makes the device more universal and easier to install.
Attention! The device requires to buy a camera module (available separately).



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Standard:	TCP/IP
Sensor:	–
Matrix size:	–
Resolution:	1920 x 1080 - 1080p 1280 x 960 - 1.3 Mpx 1280 x 720 - 720p
Operation modes:	Main and sub streams may be in any configuration Firmware 2.460.0000.14.R, build : 2017-07-20 • Main stream : 1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576 • Sub stream : 352 x 288 For each camera
Lens:	–
View angle:	–
Min. illumination:	–
S/N ratio:	> 50 dB
Audio:	• External microphone input • Audio output • Bi-directional audio streaming support • Audio detection
RS-485 interface:	–
RS-232 interface:	✔
Bitrate:	24 ... 9472 kbps - H.264 14 ... 5632 kbps - H.265
Main stream frame rate:	25 fps @ 1920 x 1080
Network protocols:	HTTP, HTTPS, ARP, IPv4/IPv6, TCP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, UPnP, NTP, QoS, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, SNMP
ONVIF:	16.12
Image compression method:	H.265 / H.264 / MJPEG
Network interface:	10/100 Base-T (RJ-45)
Alarm inputs / outputs:	2 / 2
Mobile phones support:	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS
Default admin user / password:	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

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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
Memory card slot:	Micro SD memory cards up to 128GB support (possible local recording)
Power supply:	• 12 V DC / 580 mA, • PoE (802.3af)
Power consumption:	< 7 W
Main features:	• Possibility of connecting and independent support of two camera modules • BLC - Back Light Compensation • HLC - High Light Compensation (spot) • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • Configurable Privacy Zones • IVS analysis - crossing the line (tripwire), intrusion, abandoned/missing object, face detection
Length of the cable:	—
Operation temp:	-30 °C ... 60 °C
Weight:	0.21 kg
Dimensions:	110 x 83 x 24 mm
Supported languages:	English
Manufacturer / Brand:	DAHUA
Guarantee:	**3 years**

Top view:



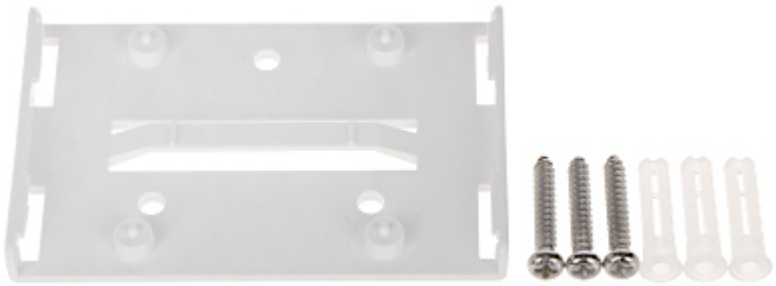
Device connectors:





In the kit:

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PACKAGE

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

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