

Code: IPC-HFW5831E-ZE-2712

IP VANDALPROOF CAMERA **IPC-HFW5831E-ZE-2712** - 8.3 Mpx, 4K UHD  
2.7 ... 12 mm - **MOTOZOOM** DAHUA  
Net: **2 131.00 PLN** Gross: **2 621.13 PLN**

IP camera with efficient H.265 / H.264 image compression algorithm for clear and smooth video streaming at maximal resolution of 3840 x 2160 - 4K. Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition. The used motozoom lens with 2.7 ... 12 mm focal length allows to remote view angle adjustment.

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. The device is equipped with ePoE technology which enables transmission up to 800 m at a speed of 10 Mb/s or 300 m at a speed of 100 Mb/s via cat. 5 twisted-pair.



## SPECIFICATION

Standard:	TCP/IP
Sensor:	1/2.5 " STARVIS™ CMOS
Matrix size:	8.3 Mpx
Resolution:	3840 x 2160 - 8.3 Mpx, 4K UHD 3072 x 2048 - 6.3 Mpx , 3072 x 1728 - 5.3 Mpx , 2592 x 1944 - 5.0 Mpx , 2688 x 1520 - 4.0 Mpx , 2560 x 1440 - 3.7 Mpx , 2304 x 1296 - 3.0 Mpx , 1920 x 1080 - 1080p 1280 x 1024 - 1.4 Mpx 1280 x 960 - 1.3 Mpx 1280 x 720 - 720p
Lens:	2.7 ... 12 mm - <b>Motozoom</b>
View angle:	• 110 ° ... 40 ° (manufacturer data) • 102 ° ... 38 ° (our tests result)
Range of IR illumination:	50 m
S/N ratio:	> 50 dB
RS-485 interface:	—
Memory card slot:	Micro SD memory cards up to 128GB support (possible local recording)
Image compression method:	H.265 / H.264H / MJPEG
Alarm inputs / outputs:	2 / 1
Audio:	• External microphone input • Audio output • Bi-directional audio streaming support • Audio detection

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Bitrate:	24 kb/s ... 10240 kb/s - H.264 14 kb/s ... 9984 kb/s - H.265
Network interface:	10/100 Base-T (RJ-45)
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
WEB Server:	Built-in, Web Viewer
Max. number of on-line users:	20
ONVIF:	16.12
Main stream frame rate:	15 fps @ 8.3 Mpx 25 fps @ 5.3 Mpx
Mobile phones support:	Port no.: 37777 or access by a cloud (P2P) • Android: Free application <a href="#">gDMSS Plus</a> • iOS (iPhone): Free application <a href="#">iDMSS Plus</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 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>• Motozoom lens</li> <li>• WDR - Wide Dynamic Range</li> <li>• 3D-DNR - Digital Noise Reduction</li> <li>• ROI - improve the quality of selected parts of image</li> <li>• ICR - Movable InfraRed filter</li> <li>• Motion Detection</li> <li>• IVS analysis : crossing the line (tripwire), intrusion, abandoned/missing object, face detection</li> <li>• WB - White Balance (ATW/AWB/manual/indoor/outdoor)</li> <li>• BLC - configurable Back Light Compensation</li> <li>• HLC - High Light Compensation (spot)</li> <li>• Configurable Privacy Zones</li> <li>• D-ZOOM - Digital Zoom</li> <li>• Mirror - Mirror image</li> <li>• Sharpness - sharper image outlines</li> <li>• Adaptive adjusting of the IR illuminator power to the lens zoom and outdoor light conditions</li> </ul>
Power supply:	<ul style="list-style-type: none"> <li>• PoE (802.3at),</li> <li>• ePoE,</li> <li>• 12 V DC / 1080 mA</li> </ul>
Power consumption:	≤ 12.95 W
Housing:	Compact - Metal
Color:	White
Vandal-proof:	IK10
"Index of Protection":	IP67
Operation temp:	-30 °C ... 60 °C
Weight:	1.07 kg
Dimensions:	274 x 95 x 95 mm
Supported languages:	English, Polish



Manufacturer / Brand:	DAHUA
Guarantee:	<b>3 years</b>

## PRESENTATION



Side view:



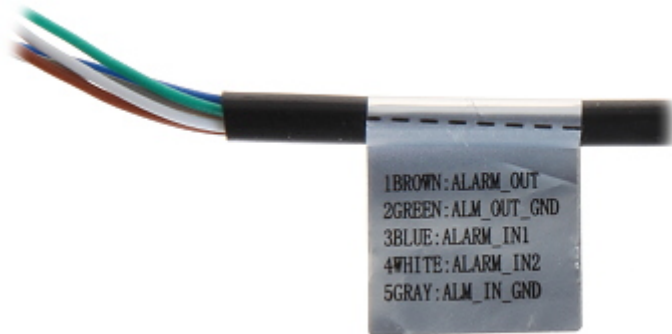
Bottom view:



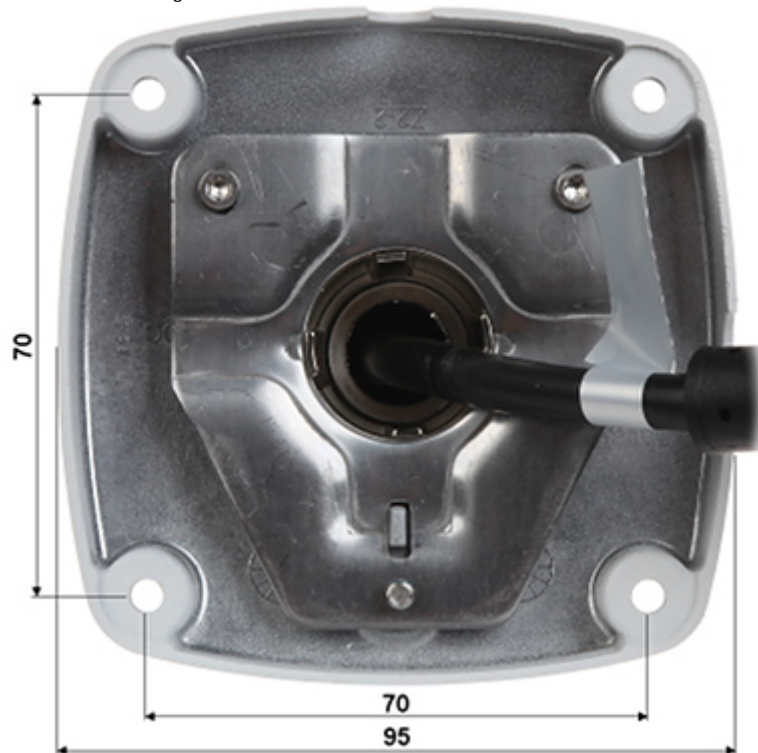
Camera connectors:



Connectors description:



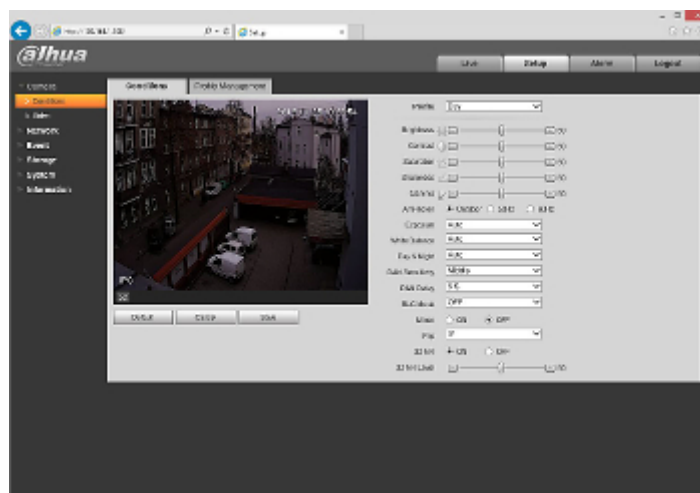
Camera mounting side view:



In the kit:

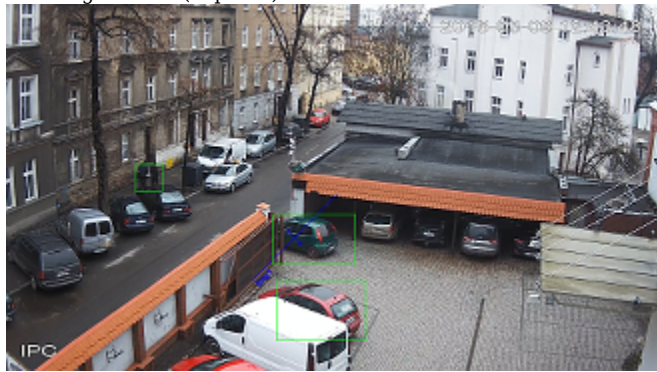


Example captures of device interface:



## OUR TESTS

Crossing the line (tripwire) function:



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:

