

Code: DH-IPC-HFW81230EP-

IP VANDALPROOF CAMERA **DH-IPC-HFW81230EP**- - 12.0 Mpx 4.1 ... 16.4 mm - MOTOZOOM DAHUA Net: 902.70 EUR Gross: 902.70 EUR

IP camera with efficient H.265 image compression algorithm for clear and smooth video streaming at maximal resolution of 4000 x 3000 (12.0 MPx). Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition. The used motozoom lens with 4.1 ... 16.4 mm focal length allows to remote view angle adjustment.

IVS analysis - crossing the line (tripwire), intrusion, scene changing, abandoned/missing object, face detection, people counting.

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. 5e twisted-pair.



SPECIFICATION

Standard:	TCP/IP
Sensor:	1/1.7 " Progressive Scan CMOS
Matrix size:	12.0 Mpx
Resolution:	4000 x 3000 - 12.0 Mpx , 4096 x 2160 - 8.8 Mpx , 3840 x 2160 - 8.0 Mpx , 3072 x 2048 - 6.3 Mpx , 2560 x 1920 - 5.0 Mpx , 2048 x 1536 - 3.1 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:	4.1 ... 16.4 mm - Motozoom
View angle:	• 105 ° ... 35 ° (manufacturer data) • 100 ° ... 33 ° (our tests result)
Compression:	H.265 / H.264 / MJPEG
S/N ratio:	> 50 dB (AGC off)
Range of IR illumination:	50 m
Alarm inputs / outputs:	2 / 1
Bitrate:	14 kbps ... 9984 kbps - H.265 32 kbps ... 16384 kbps - H.264
Main stream frame rate:	20 fps @ 12.0 Mpx 25 fps @ 3840 x 2160 px
Network interface:	10/100 Base-T (RJ-45)
Default admin user / password:	admin / admin

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Network protocols:	HTTP, HTTPS, IPv4/IPv6, TCP, RTSP, RTP, UDP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, UPnP, NTP, QoS, Bonjour, IEEE 802.1x, Multicast, ICMP, IGMP, SNMP
Default IP address:	192.168.1.108
Audio:	• External microphone input, • Audio output, • Bi-directional audio streaming support, • Audio detection
Web browser access ports:	80, 37777
PC client access ports:	37777
WEB Server:	Built-in, NVR compliance
Memory card slot:	Micro SD memory cards up to 128GB support (possible local recording)
Mobile client access ports:	37777
Max. number of on-line users:	20
Port ONVIF:	80
ONVIF:	16.12
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
Mobile phones support:	Port no.: 37777 or access by a cloud (P2P) • Android: Free application DMSS , Android: Free application IMOU • iOS (iPhone): Free application DMSS , iOS (iPhone): Free application IMOU
RS-485 interface:	—
Main features:	• D-WDR - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • EIS - Electronic Image Stabilization • ROI - improve the quality of selected parts of image • F-DNR (Defog) - Reduction of image noise caused by precipitation • SSA - Smart Scene Adaptive - intelligent scene adaptation by automatically adjusting the exposure parameters to obtain a better image • AGC - Automatic Gain Control • ICR - Movable InfraRed filter • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • BLC - configurable Back Light Compensation • HLC - High Light Compensation (spot) • Day/Night mode (color/b&w/auto) • Motion Detection • Configurable Privacy Zones • Sharpness - sharper image outlines • Mirror - Mirror image • Audio detection • IVS analysis : crossing the line (tripwire), intrusion, scene changing, abandoned/missing object, face detection, people counting • Heat map - the selection in the image by corresponding colors the areas with different traffic
Power supply:	• ePoE, • PoE (802.3at), • 12 V DC / 1.1 A - Heater on
Power consumption:	≤ 13 W
Housing:	Compact, Metal / Plastic
Color:	White
"Index of Protection":	IP67
Vandal-proof:	IK10
Supported languages:	Polish, English, Bulgarian, Czech, Danish, Finnish, Greek, Norwegian, Swedish, Hungarian
Operation temp:	-40 °C ... 60 °C



Manufacturer / Brand:	DAHUA
Weight:	1.2 kg
Dimensions:	273 x 95 x 96 mm
Guarantee:	3 years

PRESENTATION



Side view:



Bottom view:

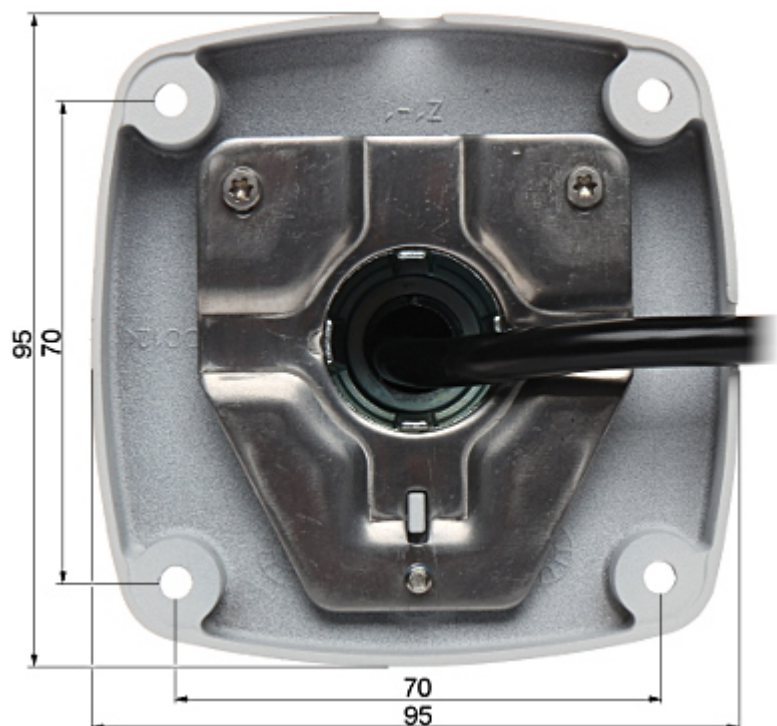




Bottom view (after remove the cover):



Camera mounting side view:



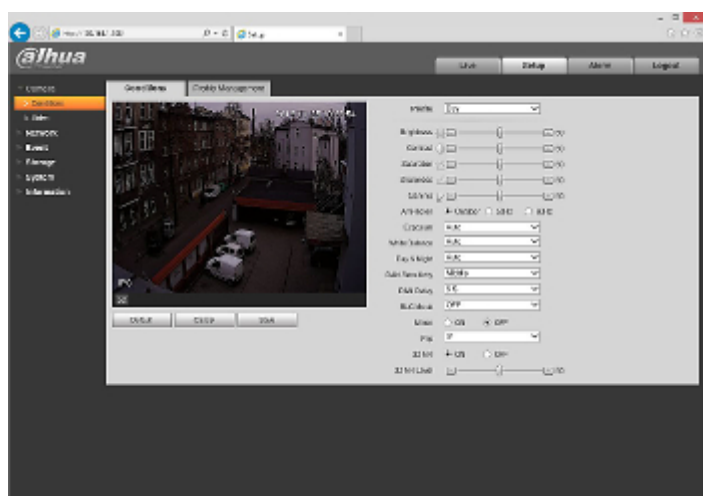
Camera connectors:



In the kit:



Example captures of device interface:



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:



OUR OPINIONS



- Motozoom lens.

PACKAGE

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