

Code: IPC-HFW81230E-ZH

IP CAMERA **IPC-HFW81230E-ZH** - 12.0 Mpx 4.1 ... 16.4 mm - MOTOZOOM DAHUA

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.



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:	• 85 ° ... 35 ° (manufacturer data) • 91 ° ... 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



DATA SHEET

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
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:haslo@192.168.1.108:554/cam/realmonitor?channel=1&subtype=0 - Main stream rtsp://admin:haslo@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 • iOS (iPhone): Free application DMSS
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 • 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 • Audio detection • Configurable Privacy Zones • Mirror - Mirror image • Sharpness - sharper image outlines

Power supply:	• 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
Supported languages:	English, Polish
Operation temp:	-40 °C ... 60 °C
Manufacturer / Brand:	DAHUA
Weight:	1.2 kg
Dimensions:	273 x 95 x 96 mm
Guarantee:	3 years