DATA SHEET

Code: DH-PTZ12230F-IRB-N

IP SPEED DOME CAMERA OUTDOOR **DH-PTZ12230F-IRB-N** - 1080p 6 ... 180 mm DAHUA



Intelligent 3D Positioning System.
The biggest advantage of the camera is the lens with x30 optical zoom, which together with long range IR illuminator allow to 24 hours surveillance without any additional lighting even at area of several hundred meters. Due to above it is perfect solution for surveillance systems requiring persons or vehicles recognition.
The range of IR illumination according to the manufacturer data, depends on outer conditions (visibility - air transparency, environment, wall colors ie. scene reflectance).
For a few models of IP cameras working at ≥ 1920 x 1080 resolution we recommend to use of network with 1Gb/s bandwidth.

Standard:	TCP/IP
Sensor:	1/1.9 " Progressive Scan Exmor CMOS
Resolution:	1920 x 1080
Matrix size:	2.0 Mpx
Resolution:	1920 x 1080 - 1080p 1280 x 720 - 720p
Scanning system:	Progressive
Lens:	6 ... 180 mm
View angle:	61.2 ° ... 2.1 ° (manufacturer data) 59 ° ... 3.2 ° (our tests result)
Optical zoom:	x 30
Digital zoom:	x 16
Range of IR illumination:	300 m

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S/N ratio:	> 55 dB (AGC off)
Video output:	1 Vpp / 75 Ω
Preset rotation speed:	max. 160 °/s
Rotation speed (manual control):	0.1 °/s ... 160 °/s (horizontal) 0.1 °/s ... 60 °/s (vertical)
Horizontal rotation range:	360 ° continuous
Vertical rotation range:	-90 ° ... 45 °
RS-485 interface:	✔
Protocols:	Pelco-D, Pelco-P, DH-SD Auto detection
Number of presets:	300
Horizontal scan:	✔
Route settings:	8
Image compression method:	H.264 / MPEG-4 / MJPEG
Bitrate:	56 ... 8192 kbps - H.264 56 ... 20480 kbps - MJPEG
Alarm inputs / outputs:	7 / 2
Audio:	• 1 Audio input • 1 Audio output • Audio detection
Main stream frame rate:	1 ... 25 fps - 1080p 1 ... 50 fps - 720p
Network interface:	10/100 Base-T (RJ-45)
Network protocols:	IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x
WEB Server:	Built-in, NVR compliance
Max. number of on-line users:	20
ONVIF:	2.41 - Profile S, G, ONVIF CGI
Mobile phones support:	Port 37777 • Android: Free application DMSS • iOS (iPhone): Free application DMSS
Memory card slot:	Micro SD memory cards up to 64GB support (possible local recording)

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Main features:	• Intelligent 3D Positioning System • ICR - Movable InfraRed filter • Day/Night mode (color/b&w/auto) • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • WDR - Wide Dynamic Range • F-DNR (Defog) - Reduction of image noise caused by precipitation • 3D-DNR - Digital Noise Reduction • Configurable Privacy Zones - 24 • BLC/HLC - Back Light / High Light Compensation • Audio detection • Sharpness - sharper image outlines • Mirror - Mirror image • IVS analysis - objects tracking • Multicast - Unlimited number of clients • The device has a built-in heater • Wiper - Control the wiper via TCP/IP
Power supply:	• 24 V AC / 5 A (power adapter included)
Housing:	Metal
Color:	White / Black
Operation temp:	-40 °C ... 70 °C
"Index of Protection":	IP66
Weight:	10.43 kg (with bracket)
Dimensions:	200 x 391 mm x 473 mm (with bracket)
Supported languages:	English
Manufacturer / Brand:	DAHUA
Guarantee:	**3 years**

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