



	ACCESS CONTROLLER PR312EM-BK-G ROGER	IP HYBRID THERMAL IMAGING CAMERA TPC-BF2241-B7F8-S2 7.0 mm - 960p, 8.0 mm - 4 Mpx DAHUA
		
	126.95 EUR 126.95 EUR	1993.05 EUR 1993.05 EUR
Cards support	Unique EM 125kHz	...
Reading distance of prox-keys	max. 15 cm	...
Keyboard built-in	—	...
Pixel pitch	...	12 µm
Thermal sensitivity (NETD)	...	< 40 mK @ F1.0
Communication	<ul style="list-style-type: none"> • RS-485 • RACS (Roger) • Biometric Reader support (RFT1000 Mode) 	...
Spectral range	...	8 µm ... 14 µm
Color palettes	...	18
Selected features of the standalone mode	<ul style="list-style-type: none"> • 4000 indexed users, • 32000 events buffer, • Operation with XM-2 I/O extension module (Full Standalone Mode) 	...
Sensor	...	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS
Matrix size	...	256 x 192 px 4 Mpx
Lens	...	7.0 mm 8.0 mm
View angle	...	24 ° 33.4 °
Optical zoom	...	—
Digital zoom	...	—
Min. illumination	...	0.05 Lux (color) @ F2.0 0.005 Lux (B/W) @ F2.0
Range of IR illumination	...	35 m

Resolution	...	1280 x 960 - 960p , 1024 x 768 px , 640 x 480 px , 256 x 192 px 2336 x 1752 - 4 Mpx , 1920 x 1080 - 1080p 1280 x 720 - 720p 704 x 576 - 4CIF 352 x 288 - CIF
Main features	<ul style="list-style-type: none"> • The ability to add additional reader (bilateral way door control), • 3 programmable input lines NO/NC, • 2 programmable transistor outputs 1A, • Programmable relay output 1.5A/30V, • Any topology of communication bus, • 99 General Purpose Schedules, • 250 access groups, • Possibility to connect the XM-2 type in/out expander, • Integration with an alarm system via in/out line, • Door modes (Normal, Locked, Unlocked and Conditionally Unlocked), • Identification modes (Card or PIN, Card and PIN, Card only, PIN only), • Two users function, dual identification mode and other advanced functions of access control, • System management via WAN/ LAN network, or COM/USB serial port, • Possibility to split the system into subsystems, • Tamper protection (detection of removing from mounting surface and enclosure opening), • LED indication, • Beep signal 	...
Standard	...	TCP/IP, CVBS
Average current consumption	50 mA	...
Operation temp	-25 °C ... 60 °C	...
Video output	...	CVBS - 1 Vpp / 75 Ω, BNC
Permissible relative humidity	10 ... 95 % (non-condensing)	...



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RS-485 interface	...	✓
Memory card slot	...	Micro SD memory cards up to 256GB support (possible local recording)
Image compression method	...	H.265 / H.264 / H.264H / H.264B / MJPEG
Alarm inputs / outputs	...	1 / 1
Audio	...	<ul style="list-style-type: none"> • Audio input • Audio output • Bi-directional audio streaming support
Main stream frame rate	...	25 fps @ 1280 x 960 25 fps @ 4 Mpx
Network interface	...	10/100 Base-T (RJ-45)
Network protocols	...	HTTPS, HTTP, TCP, ARP, RTSP, RTP, UDP, RTCP, SMTP, FTP, DHCP, DNS, DDNS, PPPoE, IPv4/IPv6, SNMP, QoS, UPnP, NTP
WEB Server	...	Built-in, NVR compliance
Max. number of on-line users	...	10
ONVIF	...	✓
Mobile phones support	...	Port 37777 <ul style="list-style-type: none"> • Android: Free application DMSS • iOS (iPhone): Free application DMSS
Default IP address	...	192.168.1.108
Default admin user / password	...	admin / - The administrator password should be set at the first start
Web browser access ports	...	80, 37777
PC client access ports	...	37777
Mobile client access ports	...	37777
Port ONVIF	...	80
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



Main features	...	<ul style="list-style-type: none"> • The possibility of overlapping the image from a thermal imaging camera in a classic image - 3 Display modes • PIP - Picture In Picture • D-WDR - Wide Dynamic Range • ROI - improve the quality of selected parts of image • EIS - Electronic Image Stabilization • 2D-DNR, 3D-DNR - Digital Noise Reduction • F-DNR (Defog) - Reduction of image noise caused by precipitation • BLC/HLC - Back Light / High Light Compensation • Day/night mode • ICR - Movable InfraRed filter • AGC - Automatic Gain Control • WB - White Balance (ATW/AWB/manual/indoor/outdoor) • Motion Detection • Intelligent tracking of warmest / coldest point • IVS analysis : crossing the line (tripwire), intrusion, object detection (people, vehicle), fire detection, Smoke detection • Active deterrence function - Light and sound alarm • 6kV protection of the camera and its structure against the effects of lightning • Protection against electrostatic discharge - Contact/Air (ESD/EMP) : 8 / 15 kV
Housing	...	Compact - Metal
Color	...	White
"Index of Protection"	...	IP67
Power supply	10 ... 15 V DC	<ul style="list-style-type: none"> • ePoE, • PoE (802.3af), • 12 V DC / 1 A
Power consumption	...	≤ 12 W
Operation temp	...	-30 °C ... 60 °C
Weight	0.18 kg	1.4 kg
Dimensions	152.5 x 46 x 23 mm (Standard housing stand) 152.5 x 46 x 35 mm (Thicker housing stand)	96 x 104 x 280 mm
Supported languages	...	English
Manufacturer / Brand	ROGER	DAHUA
Guarantee	3 years	3 years