




	OVERVOLTAGE LIMITER LE-412223 THREE-PHASE 2 TYPE LEGRAND	PLUG-IN MODULE FOR OVERVOLTAGE LIMITER LE-412297 2 TYPE 20 kA LEGRAND	IP HYBRID THERMAL IMAGING CAMERA DS-2TD1217-3/QA 3.1 mm - 720p, 4 mm - 4 Mpx Hikvision
			
	82.10 EUR 82.10 EUR	22.99 EUR 22.99 EUR	768.17 EUR 768.17 EUR
Device type	Overvoltage limiter, Three-phase	...	...
Pixel pitch	...	...	17 µm
Rated voltage	230 / 400 V AC, 50 / 60 Hz	230 / 400 V AC, 50 / 60 Hz	...
Thermal sensitivity (NETD)	...	...	≤ 40 mK @ F1.1
Maximal voltage	320 V AC, 50 / 60 Hz	320 V AC, 50 / 60 Hz	...
Spectral range	...	...	8 µm ... 14 µm
Protection level Up	...	1.2 kV @ 8/20 µs (T2)	...
Color palettes	...	...	✓
Class	2 type (Class C)	2 type (Class C)	...
Nominal discharge current	...	5 kA @ 8/20 µs (T2)	...
Protection level Up L/PE, N/PE	1.2 kV @ 8/20 µs (T2)	...	...
Maximum stroke current	...	20 kA @ 8/20 µs (T2)	...
Nominal discharge current (L/PE, N/PE)	5 kA @ 8/20 µs (T2)	...	...
Main features	...	Varistor	...
Maximum stroke current (L/N, L/PE, N/PE)	20 kA @ 8/20 µs (T2)	...	...
Operation state indication	✓	✓	...
Connectors type	screw terminals	...	...
Width in 17.5 mm modules	4	...	...
Temperature measurement	...	...	<ul style="list-style-type: none"> • Spot • Line • Area max. 21 positions
Temperature measurement range	...	...	-20 °C ... 150 °C
Accuracy of temperature measurement	...	...	± 8 °C
Sensor	...	...	Uncooled VOx microbolometer 1/2.7 " Progressive Scan CMOS
Matrix size	160 x 120 px 4 Mpx
Lens	3.1 mm 4 mm
View angle	50 ° 84 °
Optical zoom	— —
Digital zoom	2x, 4x —

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Range of IR illumination	15 m
White light LED illuminator range	30 m
Resolution	1280 x 720 - 720p , 704 x 576 640 x 480 352 x 288 320 x 240 2688 x 1520 - 4 Mpx 1920 x 1080 - 1080p 1280 x 720 - 720p
Standard	...	...	IP
Video output	...	...	—
RS-485 interface	...	...	✓
Memory card slot	...	...	Micro SD memory cards up to 256GB support (possible local recording)
Image compression method	...	...	H.265 / H.264 / MJPEG
Alarm inputs / outputs	...	...	1 / 1
Audio	...	...	<ul style="list-style-type: none"> • External microphone input / Audio input, • Audio output, • Bi-directional audio streaming support, • Speaker built-in
Main stream frame rate	...	...	25 fps @ 4 Mpx
Network interface	...	...	10/100 Base-T (RJ-45)
WEB Server	...	...	Built-in
Max. number of on-line users	...	...	32
ONVIF	...	...	✓
Mobile phones support	...	...	Port no.: 8000 or access by a cloud (P2P) <ul style="list-style-type: none"> • Android: Free application iVMS-4500 or Hik-Connect • iOS (iPhone): Free application iVMS-4500 or Hik-Connect
Default IP address	...	...	192.168.1.64
Default admin user / password	...	...	admin / - The administrator password should be set at the first start
Web browser access ports	...	...	80
PC client access ports	...	...	Port no.: 8000 or access by a cloud (P2P) - iVMS-4200 application
Mobile client access ports	...	...	8000
Port ONVIF	...	...	80
RTSP URL	<ul style="list-style-type: none"> • Main stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/101/ THERMAL IMAGING CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/201/ • Sub stream VIDEO CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/102/ THERMAL IMAGING CAMERA : rtsp://user:password@192.168.1.64:554/Streaming/Channels/202/



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Intelligent image analysis	<ul style="list-style-type: none"> • IVS analysis : crossing the line (tripwire), intrusion, detection of entry into the area / exit from the area • Smoke detection • fire detection • object detection (people, vehicle)
Main features	...	...	<ul style="list-style-type: none"> • WDR - 120 dB - Wide Dynamic Range • 3D-DNR - Digital Noise Reduction • AGC - Automatic Gain Control • DDE (Digital Detail Enhancement) - the function automatically optimizes the contrast of the thermal image in high-dynamic scenes - small differences in the temperature distribution of the examined object are highlighted • Sun-reflection filter • Temperature measurement • Intelligent alarm linked to turning on white light and loudspeaker • NAS - Network Attached Storage support - allows to connect memory resources directly to the computer network • The ANR (Automatic Network Replenishment) function - ensures integrity of recording data in the event of network failures. It bases on automatic saving the recording data to microSD card inserted inside the camera, and after failure is end, the recorded data are automatically synchronized with the recorder
Protections	...	...	<ul style="list-style-type: none"> • Protection against lightning discharges : 6 kV • Overvoltage limiter, Overvoltage protection
Power supply	...	...	<ul style="list-style-type: none"> • PoE (802.3af), • 12 V DC / 500 mA
Power consumption	...	...	<ul style="list-style-type: none"> ≤ 6 W @ 12 V DC ≤ 6.5 W @ PoE (802.3af)
Housing	Plastic, DIN, TS-35 rail mounting	Plastic	Dome - Metal
Color	...	...	White
"Index of Protection"	...	...	IP67
Mechanical protection class	...	...	—
Operation temp	...	...	-40 °C ... 65 °C
Weight	0.334 kg	0.042 kg	0.94 kg
Dimensions	71 x 83 x 70 mm	62 x 54 x 17 mm	Ø 138.3 x 123.1 mm
Supported languages	...	...	Polish, English, Bulgarian, Croatian, Czech, Danish, Estonian, Finnish, French, Greek, Spanish, Dutch, Lithuanian, Latvian, German, Norwegian, Portuguese, Russian, Romanian, Serbian, Slovak, Slovenian, Swedish, Turkish, Hungarian, Italian
Manufacturer / Brand	LEGRAND	LEGRAND	Hikvision
SAP Code	...	...	305401438
Guarantee	2 years	2 years	3 years