

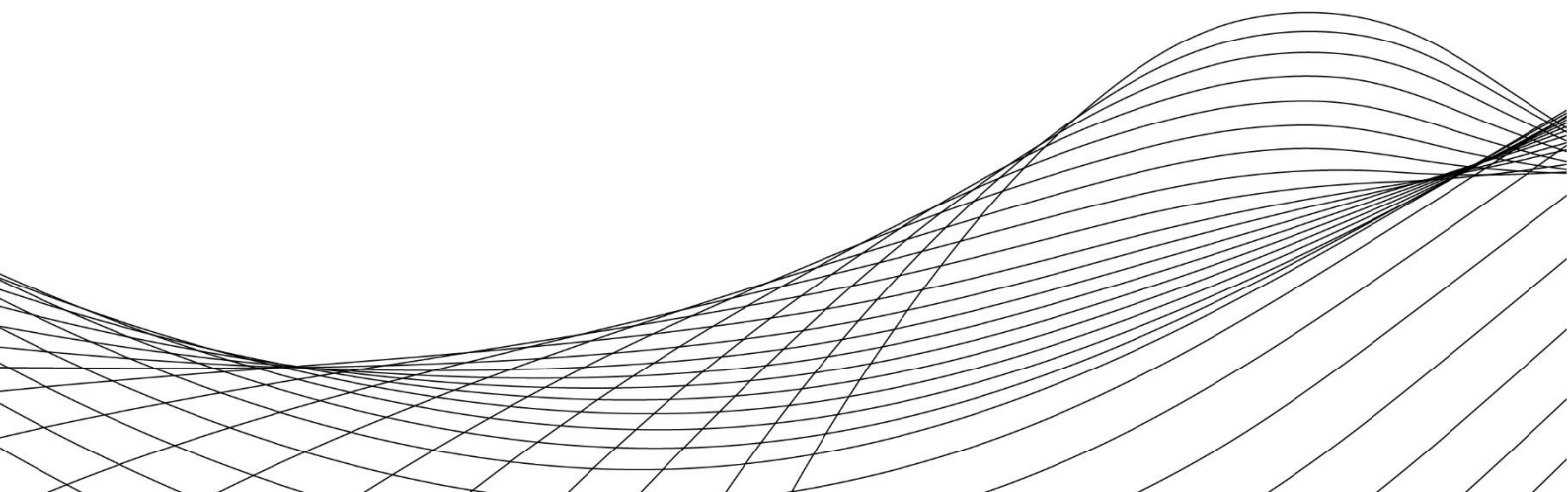


5 Megapixel Thermal Vision Network Dome Camera

PLC-435M-THC-IR3/PM

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Key Features:

Thermal

- ❖ 256 × 192 thermal sensor resolution for clear and detailed heat images.
- ❖ 12 μm pixel size with NETD ≤ 50 mK (@25 °C, F1.0), ensuring accurate detection.
- ❖ Measures temperatures from -20 °C to 150 °C, suitable for various industrial and security applications.
- ❖ Supports White Hot, Black Hot, Iron Oxide Red, Rainbow, and more for flexible visualization.
- ❖ Built-in sound and light warnings with temperature-exception alarms and fire detection
- ❖ Motion Detection Alarm Trigger
- ❖ Line Crossing Detection
- ❖ Region Intrusion Detection
- ❖ Human and motor-vehicle classification for reduced false alarms
- ❖ Combines thermal and visible images for enhanced situational awareness.
- ❖ Displays real-time temperature data directly on the video stream



Optical

- ❖ 1/2.7 " CMOS Image Sensor
- ❖ 2880×1620 Pixels (3K) Resolution
- ❖ 0.02 Lux Min. Illumination for Day Time Color View
- ❖ 30-meter IR Night View Range @ 0 Lux
- ❖ Motion Detection Alarm Trigger
- ❖ Line Crossing Detection
- ❖ Region Intrusion Detection
- ❖ Highlight Compensation for Image Correction
- ❖ Backlight Compensation for Image Correction
- ❖ ONVIF Protocol Supported
- ❖ IP67 Water & Dust Proofing
- ❖ DC12V/ PoE (IEEE802.3af) Power Supply

Specifications:

Model	PLC-435M-THC-IR3/PM
Detector Type	12μm 256×192 Vanadium oxide uncooled focal plane detector
Response Waveband	8μm-14μm
NETD	≤50mK(@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	7mm@F1.0
Field of View(H×V)	24.8°×18.7°
Min. Focusing Distance	1.1m
Color Palettes	Black hot, White hot, iron oxide red, rainbow, etc.
Image Sensor	1/ 2.7" CMOS
Image Size	2592 × 1944
Electronic Shutter	1/3 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.02 lux@F1.6,AGC ON; 0 lux with IR 0.03 lux@F2.0,AGC ON; 0 lux with IR
Lens	8mm@F2.0
Field of View(H×V)	38°×27.5°
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
Video Compression	H.265 / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Bit Rate Type	VBR/CBR
Bit Rate	128Kbps~ 8Mbps
Resolution	Thermal : 720P (1280 × 720), D1, CIF, 480 × 240 Optical: 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296),1080P (1920 × 1080),720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	Optical: 60Hz: 5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps) Thermal : 256 × 192(the resolution of output image is 720P/D1/CIF/480×240) (1~25fps)
Sub Stream	Optical: 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	Optical: 60Hz: D1/CIF/480×240(1~30fps); 50Hz: D1/CIF/480×240(1~25fps)
Dual Image Fusion	Yes
Temperature Overlay	Temperature can be overlaid on video stream
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser

Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately
Network	RJ 45
Video Output	No
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
RS 485	No
Alarm	1CH alarm input; 1CH alarm output
Temperature Range	-20°C~150°C (-4°F~302°F)
Temperature Accuracy	±8°C
Temperature alarm	Over temperature alarm, low temperature alarm
Temperature Measurement	10 rules in total (Point: up to 10; Line: 2, recommended; Area: 2, recommended)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Web browser/PVMS Plus/Mobile APP
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable connection, video exception, audio exception
Intelligent Analytics	Optical: region intrusion/entrance/exiting detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), target counting by line/area (human/motor vehicle/non-motor vehicle classification), face detection, illegal parking detection, loitering detection, abandoned/missing object detection Thermal: fire detection, temperature exception alarm, region intrusion/entrance/ exiting detection/line crossing detection (human/motor vehicle classification) AI function can be enabled simultaneously on thermal and optical channels
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Sound & Light Warning	White light flashing alarm and sound alarm supported
PoE	Yes, IEEE802.3 af, class0
IR Distance	20~ 30m
Protection Grade	IP66
Power Supply	DC12V / PoE
Power Consumption	< 9W
Operating Environment	Humidity: less than 95 % (non-condensing) -30 °C ~ 60 °C (-22°F~140°F)

Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
Dimensions (mm)	217.8 × 80.5 × 80.3
Weight (net)	Approx. 0.7KG
Installation	Ceiling mounting; Wall mounting

Dimensions:

