

IR-DLD-TS

Thermal imaging cameras



Thermal and visible fused on screen, with night vision up to 30 m

DLD-TS

Dual-spectrum fixed camera: thermal and Full HD visible

amperis

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Two sensors in one enclosure: radiometric thermal imaging plus Full HD visible video, day and night.

Product overview



Dual-spectrum camera: thermal detector and visible optics with IR fill light

Two spectra, one diagnosis

The IR-DLD-TS combines a thermal detector (640×512 , 384×288 or 256×192) with a 1920×1080 visible camera. Picture-in-picture and dual-light fusion modes overlay both sources, which markedly improves temperature-measurement performance and simplifies target identification.

It also watches at night

A near-infrared fill light reaches 30 m, keeping the visible channel useful in complete darkness; alarm light and buzzer connections warn on site when a threshold is exceeded.

Main features

- 10 real-time moving points, 10 areas and 3 measurement lines with irregular shapes.
- Temperature output over Modbus RTU/TCP.
- One hardware alarm input and one output, plus light and buzzer.
- ONVIF Profile-S/G compatibility and POE power supply.
- IP66 outdoor enclosure with lightning and surge protection.



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Applications and integration

Applications

- Continuous thermal monitoring of substation equipment and switchgear.
- Perimeter and process surveillance requiring visual identification.
- Fire prevention in warehouses and outdoor installations.

Integration

Temperature readings flow to PLC and SCADA systems over Modbus RTU/TCP, and both video channels join ONVIF-compatible management platforms; POE keeps the installation down to a single Ethernet cable.

Field documentation

Fused imaging pinpoints which component heats up: the visible channel confirms the exact equipment while the thermal channel quantifies the anomaly.



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DLD-TS – TECHNICAL SPECIFICATIONS

Thermal detector	640 × 512, 384 × 288 or 256 × 192
Visible camera	1920 × 1080
Fill light	Near-infrared, 30 m range
Image modes	Picture-in-picture, dual-light fusion and other display modes
Measurement modes	10 real-time moving points, 10 areas and 3 lines (max/min/average); irregular-shape drawing
Temperature output	Modbus RTU/TCP
Alarms	1 hardware alarm input and 1 output; alarm light and buzzer connection
Video integration	ONVIF Profile-S/G compatible
Power supply	POE (Power over Ethernet)
Protection	IP66 outdoor enclosure with lightning and surge protection



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