

## IR DLD-T

Thermal imaging cameras



Unattended surveillance: Modbus, ONVIF and POE over an IP66 enclosure

## DLD-T

Fixed thermal camera for continuous temperature monitoring

amperis

[www.amperis.com](http://www.amperis.com)

 C/ María Barbeito, 14  
27003, Lugo, Spain

 **Contact**  
T [+34] 982 20 99 20  
[info@amperis.com](mailto:info@amperis.com) | [www.amperis.com](http://www.amperis.com)

Permanent thermal monitoring of critical points, integrated into the network like any IP camera.

## Product overview



Fixed-mount thermal camera in IP66 outdoor enclosure

### Watching temperature around the clock

The IR DLD-T is a fixed-mount thermal camera for continuous temperature detection: its uncooled focal-plane microdetector ( $640 \times 480$  or  $384 \times 288$ ) tracks up to 10 moving points, 10 areas and 3 measurement lines in real time, capturing maximum, minimum and average temperatures with support for irregular measurement shapes.

### An optic that ignores the weather

The athermalised fixed-focal lens keeps its calibration regardless of high or low ambient temperatures, and the IP66 outdoor enclosure adds lightning and surge protection for year-round exterior service.

### Main features

- Temperature output over Modbus RTU/TCP for PLC and SCADA systems.
- One hardware alarm input and one alarm output.
- ONVIF Profile-S/G compatibility for video management systems.
- POE power supply: one cable for data and power.
- IP66 enclosure with lightning and surge protection.



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# Applications and integration

## Applications

- Continuous thermal monitoring of substation equipment and switchgear.
- Fire prevention on conveyors, warehouses and waste bunkers.
- Process temperature control in unattended installations.

## Integration

Temperature readings reach the control system over Modbus RTU/TCP, while the video stream joins any ONVIF-compatible video management platform; alarms trigger through the hardware output as well.

## Simple deployment

With POE, a single Ethernet cable powers the camera and carries data, reducing wiring in outdoor installations.



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## DLD-T – TECHNICAL SPECIFICATIONS

|                           |                                                                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Detector</b>           | Uncooled focal-plane thermal microdetector, 640 × 480 or 384 × 288                                                                   |
| <b>Lens</b>               | Fixed focal length, athermalised: unaffected by high or low ambient temperature                                                      |
| <b>Measurement modes</b>  | 6 real-time moving points, 6 areas and 3 lines (max/min/average); extended mode with 10 points, 10 areas and irregular-shape drawing |
| <b>Temperature output</b> | Modbus RTU/TCP                                                                                                                       |
| <b>Alarms</b>             | 1 hardware alarm input channel and 1 alarm output                                                                                    |
| <b>Video integration</b>  | ONVIF Profile-S/G compatible                                                                                                         |
| <b>Power supply</b>       | POE (Power over Ethernet)                                                                                                            |
| <b>Protection</b>         | IP66 outdoor enclosure with lightning and surge protection                                                                           |



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