

Thermal screening report

A short example of candidate observations, supporting evidence, and the questions an inspector would review.

Example, not field evidence. All site details, counts, temperatures, candidate IDs, and review notes in this PDF are invented. Diagrams are schematics, not drone images or screenshots. This is a curated format preview, not an exported inspection.

Example site	Illustrative solar array A
Input type	Compatible DJI thermal + RGB dataset
Report scope	Frame-level candidate observations
Inspection / acquisition date	Not applicable - fictional example

Example summary

24	3	Pending
Frames in this example	Candidate observations	Human review

These counts illustrate a report layout. They do not represent unique defective modules, an accuracy result, or complete site coverage. Overlapping frames can show the same physical condition.

Example candidate catalog

ID	Source frame	Screening label	Peak / background
C-001	EXAMPLE_007	Candidate hotspot	54 / 38 C
C-002	EXAMPLE_012	Candidate hotspot	49 / 39 C
C-003	EXAMPLE_019	PID-like pattern	46 / 38 C

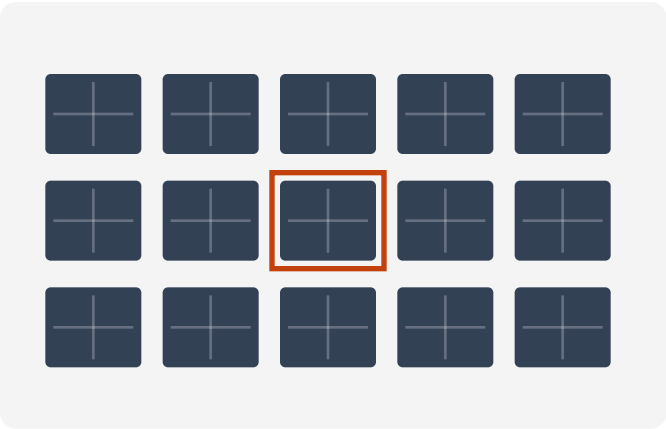
Temperature values are fictional. Labels are screening candidates, not fault diagnoses.

Candidate C-001

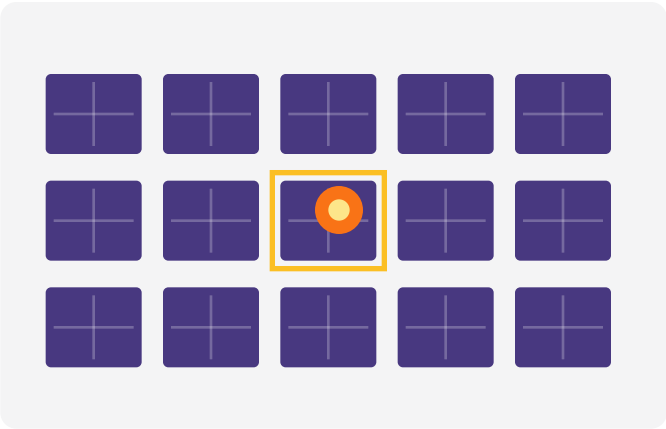
Example source context and thermal observation for human review.

SCHEMATIC ONLY - NOT DRONE IMAGERY

Visible-light context (schematic)



Thermal context (schematic)



The outlined area illustrates how a reviewer might compare thermal and RGB context. This diagram conveys no measured position, panel assignment, or temperature.

Source frame	EXAMPLE_007 (fictional)
Screening label	Candidate hotspot
Example peak / background	54 C / 38 C
Example difference	16 C (54 minus 38)
Coordinates / module assignment	Not provided in this illustrative sample

Example reviewer note

Localized warming would merit a closer look. Compare neighboring source frames and visible imagery, verify acquisition conditions and thermal settings, and consider reflection or an obstruction before attributing the pattern to a module fault.

Example next step: request field verification. This is an illustrative note, not a completed review or an instruction for a real site.

Review before sharing

Screening highlights observations. An inspector determines what the available evidence supports.

Example review worklist

01 Check the source evidence

Compare the thermal observation with RGB context and neighboring frames. Check whether a reflection, obstruction, or capture issue could explain the apparent pattern.

02 Verify the capture conditions

Review flight and thermal settings, environmental conditions, coverage, and missing data. This sample contains no acquisition record or calibration evidence.

03 Record a bounded conclusion

Keep or dismiss a candidate, request field verification, or mark it not evaluable where the product supports that workflow. Record the reason and unresolved limitations.

What this sample cannot establish

No real site was inspected for this document. It establishes no defect diagnosis, electrical safety conclusion, energy-loss estimate, complete panel coverage, or IEC compliance. Real reports depend on the capture, processing results, available evidence, and the inspector's review.

Want to see your own data?

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heliovue-beta.4tech.us