

Generic Thermal Camera Checklist

Checkpoint title	Checkpoint category	Checkpoint motive	Sampling size	Number of samples	Description	Required result
Packing method	Export Packing	Conformance to Specs	1 pc		Report quantity and breakdown inside export cartons.	Conforms to specifications.
Shipping marks	Export Packing	Conformance to Specs	All samples		Report actual shipping marks on export cartons and compare to client specification if applicable.	Compare to client specifications and perfect sample if applicable.
Gross weight	Export Packing	Conformance to Specs	1 pc		Take weight. Values in kg.	Compare to client specifications and perfect sample if applicable.
Dimensions	Export Packing	Conformance to Specs	1 pc		Take dimensions. Values in cm.	Compare to client specifications and perfect sample if applicable.
Barcode scan	Export Packing	Conformance to Specs	Custom	5	Scan barcode.	Compare result with actual printed number and specification from client if applicable.
Carton information	Export Packing	Conformance to Specs	All samples		Report findings.	Compare to client specification if applicable.
Free-fall carton drop test	Export Packing	Function, Endurance, Usability	Custom	2	Carton is dropped 10 times (1 corner then 3 edges then 6 sides). Drop height: 76cm if carton GW is 1-9kg, 61cm if 10-18kg, 46cm if 19-27kg, 30cm if 28-45kg, 20cm if 46-68kg.	Carton should not open up. Products should not be damaged and should still function as intended.
Inner packing contents	Inner Packing	Conformance to Specs	All samples		Report findings.	Conforms to specifications.
Inner packing marks	Inner Packing	Conformance to Specs	All samples		Report findings.	Conforms to specifications.
Inner packing gross weight	Inner Packing	Conformance to Specs	Custom	2	Take weight. Values in kg.	Compare to client specifications and perfect sample if applicable.
Inner packing dimensions	Inner Packing	Conformance to Specs	Custom	2	Take dimensions. Values in cm.	Compare to client specifications and perfect sample if applicable.
Inner packing barcode scan	Inner Packing	Conformance to Specs	All samples		Scan barcode(s).	Compare to client specifications and perfect sample if applicable.
Instruction manual	Inner Packing	Conformance to Specs	All samples		Review the manual for quality of paper & printing, clarity, any misses.	Conforms to specifications, if any. No obvious issue.
Inner packing information	Inner Packing	Conformance to Specs	All samples		Report findings.	Compare to client specifications and perfect sample if applicable.
Inner packing polybag	Inner Packing	Safety & Regulatory	All samples		Report findings (especially the number of holes, size of polybag opening, and safety text, if any).	Compare to client specifications and perfect sample if applicable.
Appearance & workmanship	Product & Unit Packing	Aesthetics & smell	All samples		Report findings, take detailed photos of the product and its different accessories.	Compare to client specifications and perfect sample if applicable.
Net weight	Product & Unit Packing	Conformance to Specs	Custom	2	Take weight. Values in g.	Compare to client specifications and perfect sample if applicable.
Dimensions	Product & Unit Packing	Conformance to Specs	Custom	2	Take dimensions. Values in cm.	Compare to client specifications and perfect sample if applicable.
Barcode scan	Product & Unit Packing	Conformance to Specs	Custom	5	Scan barcode(s).	Compare result with actual printed number and specification from client if applicable. The barcodes on the product, unit box, and export box, should all match.
Certificates	Product & Unit Packing	Safety & Regulatory	All samples		Please ask factory to provide relevant certificates or lab test reports for these products. Take photos.	Those documents must match the product being inspected. In internal check, compare components to CDF.
Color check	Product & Unit Packing	Aesthetics & Smell	All samples		Check color(s) of the product and its accessories.	Compare to client specifications and perfect sample if applicable.
Accessories check	Product & Unit Packing	Conformance to Specs	All samples		Count the accessories and report findings, including markings and ports on all accessories.	Compare to client specifications and perfect sample if applicable.
Parameters check	Product & Unit Packing	Function, Endurance, Usability	All samples		Check parameters of the product.	Compare to client specifications and perfect sample if applicable.
Temperature accuracy	Product & Unit Packing	Function, Endurance, Usability	All samples		Check the face temperature (on a face that only stays within vision for 1 second, 3 meters away from camera) and compare to the real underarm temperature (collected with a calibrated thermometer) of the same person.	Face temperature must be read, and must match the underarm temperature.
One-time temperature measure capacity	Product & Unit Packing	Function, Endurance, Usability	All samples		At the same time, capture more than 30 faces' temperatures.	Those data must be read.
Time of temperature capture	Product & Unit Packing	Function, Endurance, Usability	All samples		Check time to complete the rapid temperature screening of all persons in the field of vision.	Must work as per claims on product packaging or specifications.
Survey area check	Product & Unit Packing	Function, Endurance, Usability	All samples		Faces' temperatures must be read up to a distance.	Must work as per claims on product packaging or specifications.
Smell check	Product & Unit Packing	Aesthetics & Smell	All samples		Open the master carton, inner box, and product.	No strong or irritative smell should be found
Assembly test & basic function check	Product & Unit Packing	Function, Endurance, Usability	All samples		Assemble the product and do the basic function test (not on all functions).	Product should get assembled correctly and easily, and be stable & functional after building. It should work as claimed on instruction manual / gift box etc.
Fatigue test	Product & Unit Packing	Function, Endurance, Usability	Custom	2	Push, press, use each adjustable part 50 times.	The products should be as remain the same as new.
Hi-pot test	Product & Unit Packing	Safety & Regulatory	All samples		Class I: 1,500v; 5mA; 1-2 sec. Class II: 3,750v; 5mA; 1-2 sec.	No flashover, no current leakage, no breakdown during testing; and product still functions as expected after the test.
Endurance test	Product & Unit Packing	Safety & Regulatory	All samples		Let products run for 4 hours at max. setting.	Product must function properly after the test.
Earth continuity test	Product & Unit Packing	Safety & Regulatory	All samples		Conduct earth continuity test (25A, less than 0.1Ω).	No failure.
Color fastness to rubbing test	Product & Unit Packing	Function, Endurance, Usability	Custom	2	Rub the markings and the logo 20 times, with a soft cloth dipped in alcohol (if no alcohol is available, use oxygen water and mention it in the findings).	No color should get transferred.
Adhesive test on markings and coatings	Product & Unit Packing	Function, Endurance, Usability	Custom	2	Use 3M adhesive tape to stick & pull, on logos and other markings.	The coating and other markings should not peel off.
Internal workmanship check	Product & Unit Packing	Safety & Regulatory	1 pc		Open the unit, check the internal workmanship for obvious issues.	No exposed conductor, good connections, cables are well fixed, right polarity connections, etc.