

Camera tagging guide

DTI Suite · on-camera photo tagging for every supported make — FLIR · HikMicro · Fluke · Testo · Raytron/InfiRay

FLIR and HikMicro cameras accept an uploadable text-table file — the *Electrical Inspection Template* (.tcf for FLIR, .json for HikMicro) included with DTI Suite and on the download page. Copy it onto the camera's SD card and every photo is tagged with its asset number and notes as you shoot. **Fluke, Testo and Raytron/InfiRay do not use an uploadable text-table file.** Each has its own tagging system — here is how to set each one up so your photos still land on the right row of the Asset Inventory List, plus the in-app fallback that works for every camera.

Fluke cameras

Older Ti series with text annotations (Ti32 / TiR / Ti4x / Ti5x era)

These cameras read a predefined annotation list from a file called **notations.txt** on the root of the SD card. That file must be created with Fluke SmartView's own **Annotations Editor** (Fluke has not published its internal format, so no third-party program can safely write it).

1. Open Fluke SmartView > Tools > **Annotations Editor**.
2. Recreate the DTI categories — **Asset No.**, **Problem**, **Recommendation**, **Action**. Every line to enter is in the included file *"Fluke SmartView – Annotation List (DTI structure).txt"* — copy each line in (about 10 minutes, once).
3. Save as **notations.txt** onto the root of the camera's SD card.
4. On site, apply the annotations to each photo as you shoot.

Expert series (TiX500 / TiX520 / TiX560 / TiX580)

Text notes are typed on the camera's on-screen keyboard — there is no template upload. Type just the **asset number** on camera, and pick Problem / Recommendation / Action in DTI Suite's photo editor afterwards.

TiS20+ / TiS55+ / TiS75+ and other Fluke Connect models

Use Fluke Connect **asset tagging**: print a QR label per asset (use the asset numbers from your Asset Inventory List), scan it before the shot, and the photo is tagged to that asset.

Testo cameras

testo 883 / 885 / 890 — SiteRecognition

Testo's tagging system is **SiteRecognition**: each asset gets a printed marker (QR / Data Matrix / barcode); the camera scans the marker before the shot and stamps the measurement site into the image.

1. Open testo IRSoft (free) > Camera > **SiteRecognition assistant**.
2. Create your measurement sites — you can **import an inventory list** instead of typing them. Use the included *"Testo SiteRecognition – Import Template.csv"*: keep the **Site ID equal to the Asset No.** from your DTI Asset Inventory List so photos match rows automatically.
3. Print the generated testo codes onto labels and stick one on each asset.
4. Transfer the site database to the camera (IRSoft does this over USB).

5. On site: scan the label, take the shot — the image is tagged.

testo 865 / 868 / 871 / 872

These models have no on-camera text tagging. Name the asset in DTI Suite's photo editor instead (below).

Raytron / InfiRay cameras

InfiRay (.irg files and the handheld radiometric JPEGs, e.g. Thermal Master P2 series) has **no on-camera text-table system** — photos are captured through the camera or its phone app without asset tags. The good news: DTI Suite reads their temperatures natively (no export step), so the workflow is simply **shoot in asset order, then tag in DTI Suite's photo editor** during Import & Pair (below). Tip: photograph the asset label with the visible camera before each thermal shot so the asset number is easy to match afterwards.

Works for every camera: tag in DTI Suite

Whatever the camera brand, you can always tag photos in DTI Suite itself: open a photo in the **photo editor**, fill in the same fields (Asset No., Problem, Recommendation, Action) with the same one-click phrase lists, and the tags are saved beside the photo and flow into the report exactly like on-camera tags. Many crews shoot fast with no on-camera tagging at all and tag everything in DTI Suite during Import & Pair.

Temperatures: **FLIR, HikMicro, Testo and Raytron/InfiRay are read natively** — no export needed. **Fluke (.is2)** — open the photo once in SmartView / Fluke Connect and export the temperature table beside the image file (same name); DTI Suite then reads every pixel. Details on the DTI Suite download page.

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