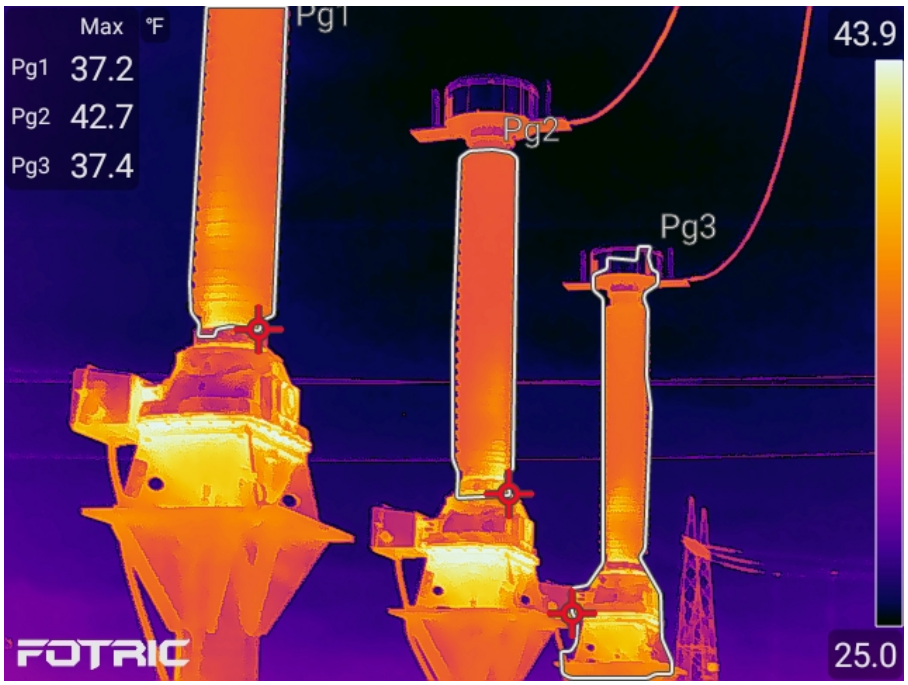
PRODUCT BULLETIN

FOTRIC NaviPdM

AI inspection assistant for FOTRIC thermal and acoustic cameras: on-device diagnostics, automatic reports, trend tracking



On-screen spot measurements across three like components: the comparison NaviPdM automates.

Equipment + Education + Service = Partnership

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1. Overview

NaviPdM is the AI-powered inspection assistant built into FOTRIC's thermal and acoustic camera lines. It moves the work that normally happens back at a desk (judging readings against limits, building the report, tracking asset history) onto the camera itself, so the inspection is diagnosed and documented before the technician leaves the site.

The licensing model is the first thing most customers ask about, so here it is up front: NaviPdM is the only FOTRIC software that costs anything. It is purchased once and enabled on the camera; after that, it can be

installed on as many computers as you like. Every other FOTRIC application, AnalyzIR, MagicThermal, and IRExplore, is free.

ProgUSA has supplied test and measurement equipment to utilities, NETA firms, and industrial customers since 2005, and is an authorized FOTRIC distributor with technical support, training, and demonstration services in the United States.

2. Key Features

2.1 AI diagnostics on the camera

- Runs pass/fail checks on-device using standard thermography criteria: delta-T between points or absolute temperature limits
- Matches standard utility practice directly, such as comparing the temperature difference between like equipment across three phases on the same circuit
- Digitally encodes industrial thermography guidelines, so every technician inspects to the same criteria

2.2 Reports that write themselves

- Let the camera generate the report, or build it manually; either way the output is a clean one-page report per image
- Batch handling: a 50-image survey becomes one 50-page file, saved as a single document
- Fully customizable: your logo, your format, your style, matching the report layout your organization already uses

2.3 Works with your IT rules, not against them

- No wireless required: images and finished reports save to the SD card and transfer to any computer behind your firewall
- When IT allows it, reports upload directly from the camera over the network; a major utility customer uploads every report straight from the camera to their network today
- Install the PC software on as many machines as needed at no additional cost

2.4 Asset history and trending

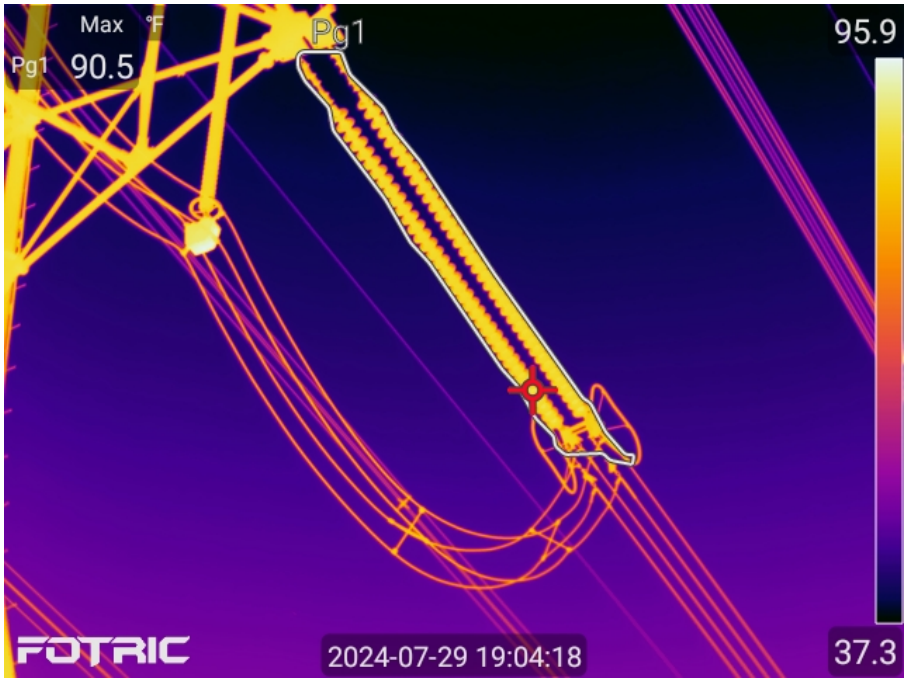
- Maintains dynamic trend graphs directly from inspection data
- Streamlines route-based asset management for repeat surveys
- Turns single inspections into a maintenance history you can act on

3. The FOTRIC Software Family

Software	What it does, and what it costs
NaviPdM	AI diagnostics, automatic reporting, workflow and trending. The only paid license: enabled once on the camera, then unlimited computer installs.
AnalyzIR	Post-inspection analysis of thermal, acoustic, and MiX data: playback, annotations, trending, report export. Free.
MagicThermal	Thermal image utility software. Free.
IRExplore	Thermal data exploration software. Free.

4. Compatibility

NaviPdM works natively across FOTRIC hardware, including the P-series thermal cameras (such as the P5 and P7, and the P5MiX and P7MiX AcouTherm models that add 162-channel acoustic imaging for partial discharge and leak detection) and the H-series acoustic imaging cameras. One software environment covers a mixed fleet.



Overhead line hardware with on-screen measurement overlay, captured on a FOTRIC P-series camera.

5. Typical Applications

- Substation and electrical equipment thermography, including three-phase delta-T comparison surveys
- Predictive maintenance routes for motors, bearings, panels, and HVAC
- Partial discharge localization and compressed air or gas leak detection, paired with MiX or H-series

acoustic imaging

- Any program replacing manual report assembly with automated, consistent documentation

6. Why NaviPdM Through ProgUSA

- One paid license covers the camera and unlimited computers; the rest of the software family is free
- Reports match what your team produces today, then remove the manual assembly time
- Deploys with or without network connectivity, on your IT department's terms
- Training videos, demonstrations, and sample reports available from ProgUSA
- Backed by ProgUSA technical support and training, with 20 years of test-equipment experience serving utilities, NETA firms, and industrial markets

7. Resources and Contact

NaviPdM page	fotric.com, NaviPdM AI Inspection Assistant
Manufacturer	www.fotric.com
Distributor	www.progusa.net

Contact ProgUSA for pricing, a demonstration, sample reports, or the NaviPdM training video series.