



## Panasonic Thermal Imaging

A Panasonic TOUGHBOOK® with a built-in thermal camera is the ultimate work companion that helps its users to detect, record, analyze, rectify and document temperature surfaces while out in the field. Panasonic has integrated the FLIR® Thermal Camera on to the TOUGHBOOK FZ-G1 and FZ-M1 tablets as an option to enable users to accurately capture temperatures while using the same device to run the applications they need to do their day-to-day work.

### TOUGHBOOK THERMAL DEVICE BENEFITS



#### Cost Saving

- One device in place of many
- Prevents expensive operations by showing readings under ground or in hard to reach places



#### Heightened Visibility

- Capture information not visible to the naked eye
- Readings in darkness, smoke or underground



#### Increased Efficiency

- Information can be captured, recorded, transmitted, analyzed and actioned immediately



#### Time Saving

- Real-time information communication



#### Targeted Action

- Helps to capture images and expand to per/pixel display to pin-point problem areas



#### Preventive Action

- Helps detect mal-functioning and prevent failure

## THERMAL FEATURES

- Temperature range: -14°F – 842°F (-10°C – 450°C)
- Modes: Still image, Shoot, Record and Review
- Detailed real-time temperature per-pixel display
- Distance: 32.8' (10m) with a 2.4" (61mm) height
- QR Code readers, Report creation
- Color palette adjustments

## INDUSTRIES USING TOUGHBOOK THERMAL IMAGING

- |                              |                        |
|------------------------------|------------------------|
| • Fire Departments           | • Construction         |
| • Emergency Medical Response | • Road and Railway     |
| • Telecom                    | • Freight & Cargo      |
| • Solar                      | • Insurance            |
| • Oil & Gas                  | • Building Maintenance |
| • Utilities                  |                        |

## USES OF THERMAL IMAGING

- Detecting heat, electricity or life in situations of smoke or in darkness
- Early detection of connection failures due to aging and degradation
- Detection of power shortage or power breaks on utility poles, circuit breakers
- Battery or solar cell overheating on solar farms
- Detecting gas leaks
- Electric asset inspection
- Building code enforcements by property appraisers and Insurance companies
- Detecting heat variations of contents inside pre-packaged crates or boxes

